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FIFTH QUADRENNIAL REVIEW OF MILITARY COMPENSATION

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VOLUME IB SUPPORTING APPENDIXES TO UNIFORMED SERVICES RETIREMENT SYSTEM (H-N)

JANUARY 1984

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BLOCK 16. (Cont.)

an Executive Summary, Volume I, IA, IB, IC II and III. Attachment 4 to Appendix I of this volume (IB) is not completed and will be submitted separately. It is expected to be approximately 100 pages.

BLOCK 19. (Cont.)

explained. Included as attachments are: a Users' Manual, listings of Conversational Monitor System (CMS) EXEC programs used to establish the necessary linkages and to execute the model and sample inputs, outputs, and console sessions.

Appendix I describes the other state-of-the-art computer model that was used by the Fifth QRM the Annualized Cost of Leaving Model (ACOL). The appendix contains a technical description of the ACOL Model including: a discussion of the reasons for its selection for use by the Fifth QRM and the QRM's enhancements to it; a definition of the pay elasticities of changing discount rates; a detailing of the QRM analytical approach (e.g., why certain retirement characteristics were selected for examination); and an assessment of the model's limitations. It also includes, as attachments, an explanation of the derivation of tapered discount rates, the results of application of the ACOL Model to the United States Coast Guard force structure and a listing of personal discount rates and determinants of military retention. The ACOL User's Guide was published separately.

Appendix J explains the "Model Interface Programs." The Fifth QRM developed two such interface programs and several utility programs in the course of the study to assist in the manipulation of numerical data between the three computer models employed in the analysis of the Uniformed Services retirement system (i.e., ACOL, DMSM and GORGO). This appendix provides a technical description of the algorithms used as a basis for these programs and presents sample outputs of each. It also contains, as attachments, complete documentation in the form of actual terminal sessions and program listings for each of the main programs and their respective sub-routines.

Appendix K, "Force Requirements," is comprised entirely of tables reflecting the current objective and baseline steady-state force structures that were submitted by each of the Uniformed Services at the Fifth QRM request. The data are displayed by total force, total force loss and flow reconciliation for each of the personnel communities (i.e., commissioned officers, warrant officers and enlisted personnel).

Appendix L, "Supporting Analysis Data," consists of the cost data for each of the various retirement options (whether developed by the Fifth QRM or one of the other major study efforts) additional force structure tables and other material which support the transition of the major retirement alternatives from the steady-state mode into a dynamic state.

Appendix M discusses the issue of "Social Security Integration." Since the Uniformed Services compensation system is not generally thought to be directly integrated with social security, private-sector pension plans provided examples of integration methodology for the assessment presented in this appendix. Three methods are examined: (1) integrating the amount of the retirement plan contribution with social security tax; (2) offsetting the retirement benefit paid to the employee by some percentage of the benefits payable under social security; and (3) providing retirement benefits only on earnings in excess of those earnings upon which social security is based.

Appendix N, "Evaluation and Occupational Force Structures," the final appendix in this volume describes the service occupational groupings evaluated. The officer and enlisted DoD occupation codes by QRM-defined category are presented by Service, as are the following four types of figures for each occupational grouping: (1) military pay versus civilian wages, (2) annualized cost of leaving, (3) force structure, and (4) survival rates. A brief description of the methodology employed in the development of the comparison income streams is also present.

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VOLUME IB
DESCRIPTION OF CONTENTS

APPENDIX H. Defense Manpower Static Model (DMSM)

The Defense Manpower Static Model (DMSM) is a general purpose model capable of quantifying the changes in force structure and annual costs caused by a change in retention rates or promotion rates. Appendix H provides a technical description of the model and discusses, in depth, the manner in which the Fifth QRMCM applied this enhanced version of the Defense Officer Personnel Management System model. The interrelationships between DMSM and the expanded ACOL model are also explained. Included as attachments are: a Users' Manual, listings of Conversational Monitor System (CMS) EXEC programs used to establish the necessary linkages and to execute the model, and sample inputs, outputs, and console sessions. (The attachments to Appendix H are not included in this volume, but will be included in the final printing.)

APPENDIX I. Annualized Cost of Leaving Model (ACOL)

This appendix contains a technical description of the ACOL Model including: a discussion of the reasons for its selection for use by the Fifth QRMCM and the QRMCM enhancements to it; a definition of the pay elasticities of changing discount rates; a detailing of the QRMCM analytical approach (e.g., why certain retirement characteristics were selected for examination); and an assessment of the model's limitations. It also includes, as attachments, an explanation of the derivation of tapered discount rates, the results of application of the ACOL Model to the United States Coast Guard force structure, and a listing of personal discount rates and determinants of military retention. An ACOL User's Guide will be attached to this appendix for the final printing.

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The Fifth QRMCM developed two interface programs and several utility programs in the course of the study to assist in the manipulation of numerical data between the three computer models employed in the analysis of the Uniformed Services retirement system (i.e., ACOL, DMSM and GORGO). This appendix provides a technical description of the algorithms used as a basis for these programs and presents sample outputs of each. It also

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APPENDIX K. Force Requirements

This appendix is comprised entirely of tables reflecting the current objective and baseline steady-state force structures that were submitted by each of the Uniformed Services at the Fifth QPMC request. The data are displayed by total force, total force losses, and flow reconciliation for each of the personnel communities (i.e., commissioned officers, warrant officers and enlisted personnel).

APPENDIX L. Supporting Analysis Data

This appendix consists of the cost data for each of the various retirement options (developed by the Fifth QPMC or other major study efforts), additional force structure tables and other material which support the transition of the major retirement alternatives from the steady-state mode into a dynamic state.

APPENDIX M. Social Security Integration

Since the Uniformed Services compensation system is not generally thought to be directly integrated with social security, private-sector pension plans provided examples of integration methodology for the assessment presented in this appendix. Three methods are examined: (1) integrating the amount of the retirement plan contribution with social security tax; (2) offsetting the retirement benefits paid to the employee by some percentage of the benefits payable under social security; and (3) providing retirement benefits only on earnings in excess of those earnings upon which social security is based.

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This appendix describes the Service occupational groupings evaluated. The officer and enlisted DoD occupation codes by QPMC-defined category are presented by Service, as are the following four types of figures for each occupational grouping: (1) military pay versus civilian wages, (2) annualized cost of leaving, (3) force structure, and (4) survival rates. A brief description of the methodology employed in the development of the comparison income streams is also presented.

APPENDIX H
DEFENSE MANPOWER STATIC MODEL
(DMSM)



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LTCOL JOHN E. VAN DUYN, USAF

Defense Manpower Static Model

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DEFENSE MANPOWER STATIC MODEL

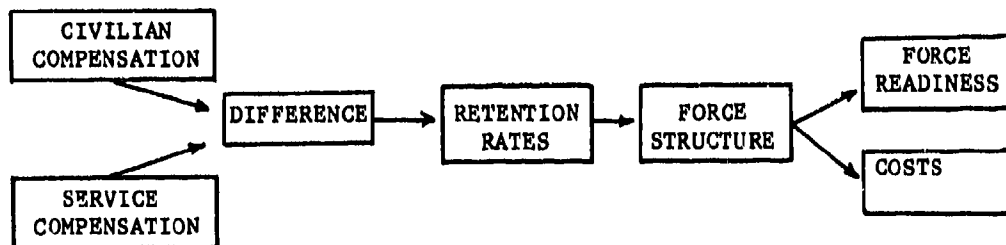
I. OVERVIEW. The Defense Manpower Static Model (DMSM) is a general purpose model capable of quantifying the changes in force structure and annual costs caused by a change in retention rates or promotion rates. It is a descendant of the Defense Officer Personnel Management System (DOPMS) model and bears certain similarities to that model. However, it also reflects a number of changes, most notably those that give the model the capability to handle enlisted and warrant officer populations. It is designed to handle questions at any level of detail, from the total DoD enlisted population to USAF navigators, for example. (Note: The DOPMS model is documented in an unpublished report, "DOPMS Simulation Model, 1973," on file in the Directorate for Officers and Enlisted Personnel Management, OASD (MP&FM).)

II. BACKGROUND.

A. FIFTH QRCM ENVIRONMENT. To fulfill the President's charter to review the current retirement system's contribution to national security objectives, it was imperative to view each Service's manpower force structure as a total system. Of paramount concern was to measure the degree to which a change in the retirement system (or compensation) would affect the force structure, force readiness and cost. In order to accomplish this task, a large volume of data was collected and an extensive network of computer models was developed. The Defense Manpower Static Model (DMSM) was one of these models.

B. ANALYTICAL APPROACH. A Service's manpower force structure may be described by the total manpower level, or strength, and how that strength is distributed -- by community (i.e., commissioned officer, enlisted, warrant officer), skill, grade and years of service (YOS). For the purposes of this study, the strength level was held constant at FY82 levels as were the community, skill, and grade distributions. The only element which varied was the year-of-service profile, or shape, of the force structure. This shape is determined by the retention rates of the personnel within the system. Retention rates, in turn, were determined by the difference in compensation available by staying in the Service compared to leaving the Service for the civilian sector. This is shown schematically in Figure H-1.

Figure H-1
System Overview



While retention is a function of many factors other than just compensation differences and few individuals make such a finite comparison of total earnings, several previous studies have shown that the historic relationship between retention and expected compensation is sufficiently strong and consistent that it can provide a valid basis for these predictions.

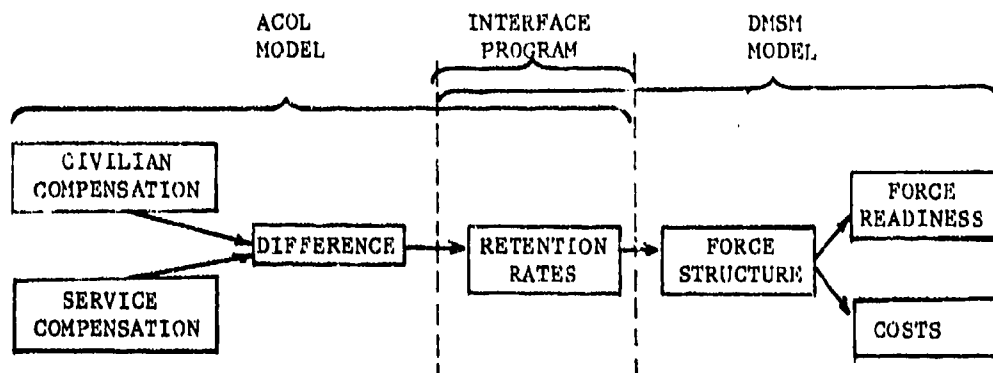
C. STEADY-STATE APPROACH. There are two major ways of examining how changes in compensation policy will impact the active duty force structure -- the dynamic viewpoint and the static, or steady-state, viewpoint. When using a dynamic viewpoint, the analyst begins with the existing force structure, implements certain changes, and evaluates the impact in the future. While this approach tends to be more accurate in a "real world" sense and in terms of the actual short-term budgetary impacts, it also has certain limitations. Because of the inertia of the Service manpower system, caused in part by its being a closed system, it may take 30 or more years of projection before the full impacts are apparent. In fact, in the case of changes to the retirement system, it may take an even longer projection before the final impacts are known. This approach can be time-consuming and inundate the analyst with large amounts of data that confuse, rather than clarify, the long-term impact of the issue.

Typically, in cases where large, long-term changes to the military manpower system are being studied, the approach uses both viewpoints. The static, steady-state approach is used first to reduce the proposed options down to those that appear to be both feasible and practical. While it may take many years to actually reach the steady state, the decisionmaker should choose the alternative that appears to reach the most acceptable eventual outcome. Once the list of feasible alternatives has been narrowed, dynamic projections can be made to determine if there are any significant issues or appreciable differences in transitioning to each alternative still under study. These differences can then be evaluated, along with the steady-state differences, in reaching the final decision. The static approach also permits a large number of projections to be made rapidly to evaluate the sensitivities to various parameters. As a result, a better understanding of the overall system response to changes can be obtained.

D. COMPUTER SUPPORT SYSTEM. To evaluate the many different retirement alternatives, an extensive network of computer models and support programs was constructed. Host computer services were provided under contract by the MITRE Washington Computer Center (MWCC) on an IBM 4341 mainframe. Versions of existing models were obtained from the Office of the Secretary of Defense, the Center for Naval Analyses, and the Defense Manpower Data Center. These initial versions were then modified extensively by the QRCM staff or under contract. Numerous support programs were also developed by the QRCM staff. Several computer languages were used (FORTRAN, APL and SAS), as well as the IBM system software resident on the MWCC host computer (Virtual Machine/System Product - Conversational Monitor System).

Although DMSM can be operated in a stand-alone mode, during the Fifth QRMC it was usually run in conjunction with two other models/programs. Figure H-2 shows the relative scope of each model or program. The Annualized Cost of Leaving (ACOL) model concentrates on the relationship between compensation expectations and the corresponding retention rates. While it contains many other useful features, when used in conjunction with DMSM, its primary usage is to predict the change in retention rates associated with a change in compensation. These changed retention rates are then converted, via an extensive interface program, to a format compatible with DMSM. The DMSM then builds the force structure that satisfies these rates, as well as an overall strength number. While it can only examine one option at a time, it is fast and inexpensive to operate. It is used to closely examine the benchmark cases, to assess a specific option from ACOL, and to fine tune the costs.

Figure H-2
Scope of Models



E. MISCELLANEOUS COMMENTS. Most of the theory and analytical techniques used during the course of the study was available at the outset. However, it existed in bits and pieces or was tailored to a specific Service or population. During the study, every effort was made to extend the theory and produce an analytical tool that could be used for all populations at any level of detail and, potentially, could be available to answer questions beyond those currently under study. While continued improvement is still desirable, significant advances in analytical capability were made. For example, the static model can now simulate the enlisted and warrant officer populations as well as the commissioned officer community. Prior-service and constructive-credit accessions can also be simulated.

In several instances, considerable overlap and duplication is apparent, both in data and models. While some may object that this is inefficient, it served a useful cross-checking purpose in guarding against gross errors and minimizing uncertainty.

III. THEORETICAL DEVELOPMENT.

A. MANPOWER REQUIREMENTS. Any analysis of Service compensation is dependent upon a clear identification and understanding of each Service's desired manpower requirement configured within reasonable and practical constraints.

1. Approach. The ability to attain and maintain a particular force configuration is partially dependent upon compensation policies. In evaluating alternative retirement systems, Service compensation would be changed while civilian compensation was held constant. This, in turn, would produce changes in retention that would result in a change to the overall shape, configuration, of the force structure. However, before exploring alternatives, it was necessary to establish several reference points, or benchmarks, in order to bound the system within the realm of reality. Therefore, three data sets were collected for each category in each community for each Service (this resulted in a total of 82 separate force structures for each data set). These data sets, or force configurations, were:

a. The Baseline Case. This describes the shape of the steady-state force under "ideal" conditions -- retention rates could be optimized so as to result in a steady-state force structure that maximized the contribution to national defense independent of the current compensation system and unconstrained by any considerations of cost, external economic conditions, or historical retention levels. This provides an absolute, requirements-oriented benchmark against which current personnel inventories could be compared. Such comparisons would help identify what changes in the retirement system (or any other part of compensation) would be necessary to move in this direction. While this case might be too costly, it more precisely defines the desired blend between the "young and vigorous" force needed for today's missions and personnel readiness and the experience needed to provide the senior leadership required to execute the mission in both peace and war. It defines desired tenure for individuals of each specialty and grade based upon minimizing annual accessions; maximizing the return from the training and experience investment; and providing a realistic promotion flow to produce quality leadership throughout the officer and enlisted force structures.

b. The Current Objective Case. This describes the shape of the steady-state force under current conditions -- compensation and retention stay at current levels. Because retention rates typically vary according to the health of the economy, it was suggested that the Services use 5-10 year average rates. This provides a steady-state benchmark to calibrate the ACOL model at current compensation and retention levels. By comparing this "current situation" case with the Baseline, "ideal requirement" case, it is possible to evaluate whether existing compensation policies are attracting and retaining sufficient numbers of quality people with the right training and experience necessary to perform the mission. These differences provide a basis for identifying where and by how much compensation policies need to be changed to move toward the "ideal requirement."

c. The End FY82 Case. This describes the actual shape of the force today and provides a benchmark against which to evaluate how the current inventory differs from either of the steady-state cases and also provides the starting point for any dynamic transition simulations.

2. Steady-State Design Considerations. For the two steady-state cases it was necessary to establish some common constraints so they would be comparable in all respects other than the shape or YOS distribution.

a. Strength. The population is restricted to active duty only. The steady-state forces are constrained to a total officer and enlisted strength equal to that authorized in the FY82 column of the FY83 President's Budget (Army: 784,400; Navy: 553,000; Marines: 192,100; Air Force: 580,800). Fiscal Year 1982 was chosen as the benchmark year simply because it was the most recent year for which actual data existed and there was a clear, "real world" statement of the manpower required to accomplish the mission.

b. Exclusions. Several exclusions were necessary to focus on the population that, in general, is subject to the same management rules. Populations specifically excluded are flag/general officers, personnel funded by the Reserve Components appropriations (including TAR personnel in the Navy), cadets/midshipmen, enlisted members in any pre-commissioning program that are included in the active duty strength (e.g., AECF, OTS/OCS, CSEP, prep school, etc.), permanent professors, and recalled retirees.

c. Skill Distribution. Each officer category was defined by the respective Service. The first digit of the DoD occupational code was used to define the enlisted categories (DOD 1312.1-M, the Occupational Conversion Manual, Dec 1982). Table H-1 shows the occupational categories.

Table H-1
Force Structure Strengths (Current Objective Case)

d. Grade Distribution.

(1) Officer populations were constrained to the legal grade ceilings, O-4 through O-6.

(2) Enlisted personnel were constrained to the OSD administrative ceilings for the top six grades (shown below), as well as the legal limits on E-8/E-9 (3% total, 1% E-9). The lower enlisted grades (E-1 through E-3) were aggregated into a single grade, "E-3 and below."

ENLISTED TOP SIX ADMINISTRATIVE GRADE CEILINGS

ARMY	67.1%
NAVY	67.6%
MARINE CORPS	47.7%
AIR FORCE	65.2%

e. Year of Service Distribution.

(1) Maximum YOS: The maximum possible YOS is set at 35 years (commissioned for officers and total for enlisted). Other maximum service points specified in law, either for age or service, apply (e.g., 24 years for O-4's).

(2) Closed System: Constraints imposed by the current closed personnel system also apply. That is, while it may be desirable not to have personnel with less than two YOS, such a system is infeasible.

(3) Steady-State: Each occupational category in the force is a steady-state system capable of maintaining equilibrium (i.e., gains equal losses and strength in each grade and YOS remains the same from year to year).

(4) Distribution Considerations: In the Current Objective case, the YOS distribution is a function of historical retention rates. However, in the Baseline case, the Services were asked to derive the "best" YOS distribution based on considerations of:

- Youth versus experience
- Stagnation versus turnover
- Maintenance of an attractive career progression plan
- Maintenance of an adequate mobilization/training base
- Physical/mental limitations (aging)
- Flexibility in order to adapt to changing requirements
- Maintenance of an adequate influx of "fresh blood" (i.e., enthusiasm, new talent, and latest in technology from the universities, high schools, and private sector)
- Minimizing the proportion of the force in training or not fully qualified in a particular skill
- Job knowledge and technical skill requirements
- Levels of communications skills
- Levels of job content and responsibility
- Organizational hierarchy
- Personnel quality
- Combat versus non-combat requirements

(5) Types of Losses: The YOS distribution is determined by the loss rates of the personnel in the steady-state system. The steps in (a) to (c) below were used by the Services in constructing their loss rate data.

(a) First, the Services accounted for losses that were outside the influence of the compensation system (essentially beyond the Service's control or in the best interests of the Service), such as:

- Deaths
- Disability losses (separation and retirement)
- Involuntary attrition (Losses due to various adverse reasons or failure to meet standards are included in this category; however, it does not include force control losses such as those for promotion failure or high year of tenure.)
- Voluntary attrition (This category includes those losses which are beyond the influence of the compensation system and are permitted in the best interest of the Service; e.g., hardship or humanitarian discharges. It does not include current levels of voluntary attrition simply for the convenience of the member.)

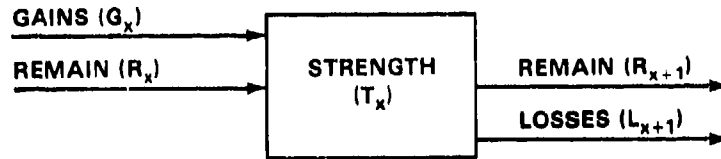
(b) Accounting for the above losses results in a level of retention that represents the maximum achievable from a behavioral standpoint under ideal compensation conditions. Since the underlying assumption of the Baseline case was that everyone wanted to serve for 35 years, there are no additional voluntary losses (separations or retirements). However, since the Current Objective case is a reflection of behavior under the current compensation system, there is an additional increment of voluntary losses that must be added at this point.

(c) The last step is to define the force control losses -- those losses that are the result of the operation of law or Service policy. This provides the means for the Services to constrain the "shape" of the YOS distribution if so desired.

B. MATHEMATICAL RELATIONSHIPS. A building block approach, progressing from the simplest system through various complexities to the state of the current model, is used in the following paragraphs to explain the mathematical operation of the DMSM.

1. Steady State -- Level 1. Consider the system depicted in Figure H-3a. The rectangular box represents the total strength (T), or number of personnel, at a point in time (x). The arrows represent the total number of gains (G), the number who remain in the system (R), and the total number of losses (L) during a unit of time.

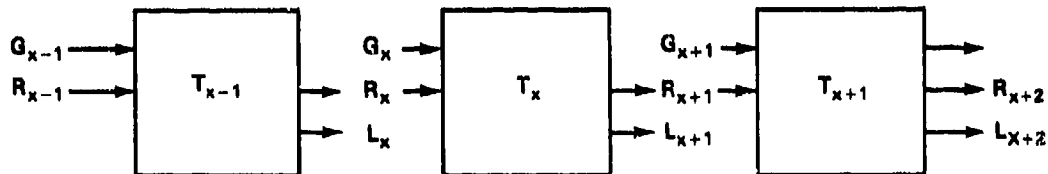
Figure H-3a
System Diagram for Time = x



By inspection, we can write: $T_x = R_x + G_x$ and $T_x = R_{x+1} + L_x$.

We can use a series of these block diagrams to represent the system over time (Figure H-3b).

Figure H-3b
System Diagram Over Time



Since:

$$T_x = R_x + G_x$$

and:

$$R_x = T_{x-1} - L_x ,$$

we obtain:

$$T_x = T_{x-1} - L_x + G_x .$$

We can also introduce rates at this point. Rather than using the number of losses (L), let's define the rate of loss (d) as follows:

$$d_x = \frac{L_x}{T_{x-1}} , \text{ or } L_x = (d_x)(T_{x-1}) .$$

This quantity (d_x) is also called the "turnover rate." By substituting, we obtain:

$$T_x = T_{x-1} - (d_x)(T_{x-1}) + G_x = (1 - d_x)(T_{x-1}) + G_x .$$

The quantity $(1 - d_x)$ is also the retention rate (r_x), or the rate at which people remain in the system during time period x:

$$r_x = 1 - d_x = 1 - \frac{L_x}{T_{x-1}} = 1 - \frac{T_{x-1} - R_x}{T_{x-1}} = \frac{R_x}{T_{x-1}} .$$

Now, we shall introduce steady-state conditions. Steady state is defined as the point at which strength, gains and losses remain constant over time, or:

$$T_{x-1} = T_x = T_{x+1} = \dots T$$

$$G_{x-1} = G_x = G_{x+1} = \dots G$$

$$L_{x-1} = L_x = L_{x+1} = \dots L$$

$$R_{x-1} = R_x = R_{x+1} = \dots R$$

Inserting these conditions into our equations, we see that:

$$\begin{aligned} T &= T - L + G, \\ \text{or} \quad G &= L \text{ (gains = losses) .} \\ \text{Since} \quad L &= (d)(T) \\ \text{then} \quad C &= (d)(T), \\ \text{or} \quad T &= (1/d)(G) \\ \text{and} \quad R &= (1 - d)(T). \end{aligned}$$

The quantity $(1/d)$, or the reciprocal of the overall loss (turn-over) rate, is also defined as the Expected Service Length (ESL), or simply E. It has also been called mean system time, average career length, or expected manyears per accession. It is useful as an overall measure of retention in the system. For instance, in our example, let:

$$\begin{aligned} T &= 10,000 \quad (\text{total strength, or total steady-state manyears}) \text{ and} \\ d &= 12\% \quad (\text{each year } 12\% \text{ leave}), \end{aligned}$$

then:

$$\begin{aligned} L &= (d)(T) = (.12)(10000) = 1200 \text{ (each year 1,200 people leave);} \\ G &= L = 1200 \quad (\text{each year 1,200 new accessions enter the force}); \\ \text{ESL} &= 1/d = 1/.12 = 8.33 \quad (\text{on average, 1,200 annual accessions will remain eight and one-third years in the system}); \text{ and} \\ R &= (1 - d)(T) = (.88)(10000) = 8800 \quad (\text{each year 8,800 people remain}). \end{aligned}$$

However, while these equations and relationships are useful, they do not give us sufficient detail about the overall shape, or experience level of the force structure. For instance, we could have a force structure like that shown in Figure H-4a, where each of the 1,200 accessions stays exactly 8.33 years, or we could have one like that shown in Figure H-4b, where some stay for 30 years while others leave earlier than the average.

Figure H-4a
System A

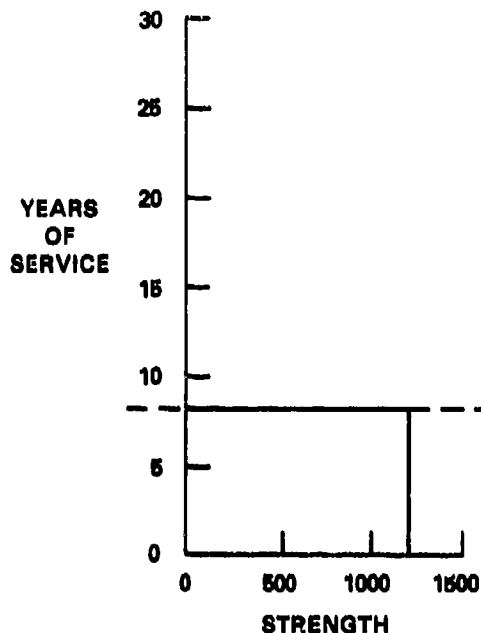
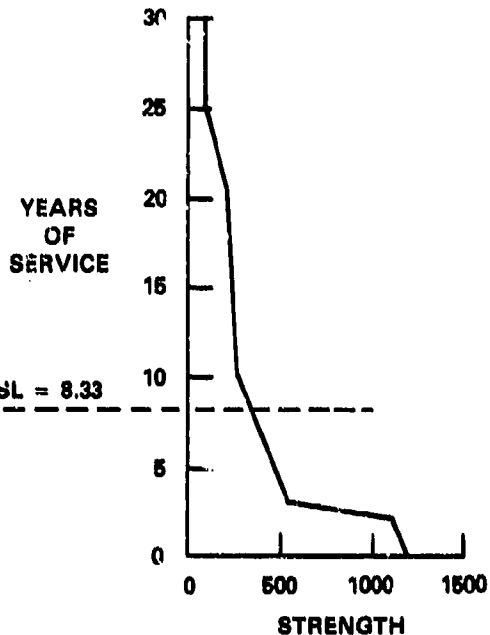


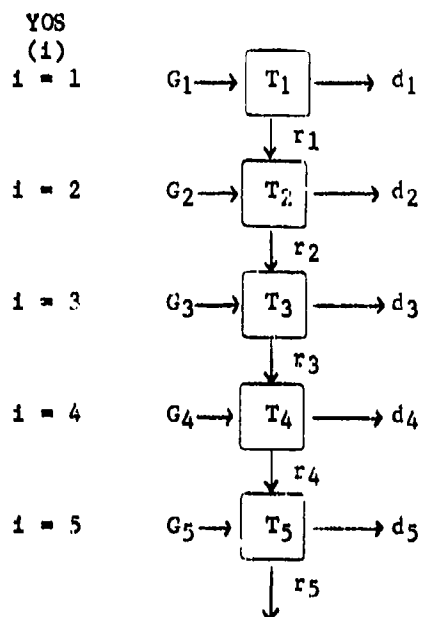
Figure H-4b
System B



Note: The terms "expected service length" and "average career length" have sometimes been confused with average years-of-service, a measure of experience in the force structure. While they may have values very close to one another, they are entirely separate statistics. For instance, in the force shown in Figure H-4a, the expected service length is 8.33, but the average years-of-service is half that, or 4.17 years. In the force shown in Figure H-4b, however, the total strength, annual accessions and expected service length are the same as in Figure H-4a but the "experience" level, or average years of service, is almost doubled to 8.02 years.

2. Steady State -- Level 2. This level adds the years-of-service (YOS) dimensions. We will use the subscript i to designate YOS and, to keep our example less cumbersome, we will limit the YOS dimension to five, as shown in Figure H-5a:

Figure H-5a
YOS System (Conceptual)



We can write our strength equation as:

$$T_i = R_{i-1} + G_i .$$

By substituting

$$R_i = T_i r_i ,$$

we obtain:

$$T_i = (T_{i-1})(r_{i-1}) + G_i .$$

We can then write,

$$T_1 = T_0 r_0 + G_1 = G_1 ,$$

$$T_2 = T_1 r_1 + G_2 = G_1 r_1 + G_2 ,$$

$$T_3 = T_2 r_2 + G_3 = G_1 r_1 r_2 + G_2 r_2 + G_3 ,$$

$$T_4 = T_3 r_3 + G_4 = G_1 r_1 r_2 r_3 + G_2 r_2 r_3 + G_3 r_3 + G_4 , \text{ and}$$

$$T_5 = T_4 r_4 + G_5 = G_1 r_1 r_2 r_3 r_4 + G_2 r_2 r_3 r_4 + G_3 r_3 r_4 + G_4 r_4 + G_5 .$$

It is useful at this point to introduce a new term called survivor rate (S), which is the rate, or proportion, at which gains in YOS j survive to appear in the strength for YOS cell i. Mathematically:

for $i = j$,

$$S_1^j = 1.00 = S_1^1$$

(Note: where there is a substantial attrition rate in the first year of service, it may be desirable to set this rate to something less than 100%).

For $i > j$,

$$S_i^j = (S_{i-1}^j)(r_{i-1}) = (S_j^j)[\text{PROD}_{k=j, i-1} (r_k)] .$$

We can then write our strength equations as:

$$T_1 = G_1 S_1^1 ,$$

$$T_2 = G_1 S_2^1 + G_2 S_2^2 ,$$

$$T_3 = G_1 S_3^1 + G_2 S_3^2 + G_3 S_3^3 ,$$

$$T_4 = G_1 S_4^1 + G_2 S_4^2 + G_3 S_4^3 + G_4 S_4^4 , \text{ and}$$

$$T_5 = G_1 S_5^1 + G_2 S_5^2 + G_3 S_5^3 + G_4 S_5^4 + G_5 S_5^5 .$$

By using superscripts to designate the entry points, we can write equations to represent the strength in YOS i that entered initially in YOS j, that is:

$$T_1^j = G_j S_1^j .$$

The total strength for a particular YOS is:

$$T_1 = [\text{SUM}_{j=1,1} (T_1^j)] = [\text{SUM}_{j=1,1} (G_j S_1^j)] .$$

The total strength for all N YOS that entered in YOS j is:

$$T^j = [\text{SUM}_{i=j,N} (T_1^j)] = [\text{SUM}_{i=j,N} (G_j S_1^j)] = (G_j) [\text{SUM}_{i=j,N} (S_1^j)] .$$

The term in parentheses is also the Expected Service Length of gains in YOS j, E_j .

$$E_j = [\text{SUM}_{i=j,N} (S_1^j)] , \text{ or the sum of all survivor rates.}$$

It can also be shown that,

$$E_j = 1.0 + (r_j)(E_{j+1}), \text{ where } E_N = 1.0 ;$$

therefore,

$$T^j = G_j E_j .$$

From this equation we can write the equation for the total strength for all N years of service:

$$T = [\text{SUM}_{j=1,N} (T^j)] = [\text{SUM}_{j=1,N} (G_j E_j)] ,$$

or stated in words, the total strength in the system is equal to the sum of the gains to the system times their respective Expected Service Lengths.

Example:

Assume loss rates as shown in Figure H-5b, and that gains enter in YOS 1 and 3, but nowhere else ($G_2 = G_4 = G_5 = 0$). Further, $G_3 = (1/4) G_1$ and that a total strength of 10,000 is desired.

Figure H-5b
YOS System (Completed)

		$T_1^j - G_j S_1^j$							
		d_1	r_1	S_1^1	S_1^3	T_1^1	T_1^3	T_1	L_1
$G_1 \rightarrow$	$T_1 \rightarrow d_1$	.05	.95	1.000	0	2046	0	2046	102
	$T_2 \rightarrow d_2$	.10	.90	0.950	0	1944	0	1944	194
$G_3 \rightarrow$	$T_3 \rightarrow d_3$	.15	.85	0.855	1.000	1750	512	2262	339
	$T_4 \rightarrow d_4$	.05	.95	0.727	0.850	1488	435	1923	96
	$T_5 \rightarrow d_5$	1.00	0.00	0.690	0.808	1412	413	1825	1825
				4.222 (E_1)	2.658 (E_3)	8640 (T^1)	1360 (T^3)	10000 (T)	2558 (L)

$$E_j = [\text{SUM}_{i=1, N} (S_i^j)]$$

$$T = [\sum_{j=1, N} (G_j E_j)] = G_1 E_1 + G_2 E_2 + G_3 E_3 + G_4 E_4 + G_5 E_5$$

$$= G_1 E_1 + G_3 E_3 .$$

Since $G_3 = 0.25G_1$, then $T = G_1 E_1 + 0.25G_1 E_3 = G_1 (E_1 + 0.25E_3)$,

$$G_1 = \frac{T}{E_1 + 0.25E_3} = \frac{10000}{4.222 + (0.25)(2.658)} = 2046 ,$$

$$G_3 = 0.25G_1 = 512 , \text{ and}$$

$$G = G_1 + G_3 = 2558 .$$

Therefore, the overall Expected Service Length for all gains is:

$$E = \frac{T}{G} = \frac{10000}{2558} = 3.909 \text{ years} .$$

The overall turnover rate is the reciprocal, $\frac{1}{3.909}$, or 26%.

The total YOS equals the strength in each YOS cell times the average YOS for all people in that cell. We define the average YOS for a particular cell to be:

$$AYOS_1 = 1 - 0.5 ,$$

then:

$$TYOS = [\sum_{i=1, N} (T_i AYOS_i)]$$

$$= 2046(0.5) + 1944(1.5) + 2262(2.5) + 1923(3.5) + 1825(4.5)$$

$$= 24537 .$$

The overall average YOS is:

$$AYOS = \frac{TYOS}{T} = \frac{24537}{10000} = 2.45 .$$

If we assume that losses out of the last YOS cell are retirements and if we know the average time spent in retired status, we can calculate several other statistics. Assume average time in retired status is 23.7 years, then the total retired population is $(1825)(23.7)$ or 43,253. The ratio of retired population to active duty population is 4.33. The proportion of total gains who eventually retire is $1825/2558$, or 71%.

While the data in the above example is purely fictitious, it does illustrate how the model operates and explains the derivation of several useful output statistics.

3. Steady State -- Level 3. The grade dimension is added at this level. Again, to make things less cumbersome, we will limit the YOS dimension to 5 and the grade dimension to 3. This system is shown in Figure H-6a. We introduce a subscript for grade (j), and the variable $P_{i,j}$ to represent the number of people promoted out of YOS i and grade j. We simplify our system by also assuming that promotions are for one grade only; in addition, while we could insert a variable for demotions, we will not. The previous variable R, those who remain in the system, now represents only the number of people who remain in grade as well.

Now, our cell equation becomes:

$$\begin{aligned} T_{i,j} &= R_{i-1,j} + P_{i-1,j-1} + G_{i,j} \\ &= R_{i,j} + P_{i,j} + L_{i,j} . \end{aligned}$$

It can also be shown that,

$$1.0 = r_{i,j} + p_{i,j} + d_{i,j}$$

where:

$$R_{i,j} = (r_{i,j})(T_{i,j}) ,$$

$$P_{i,j} = (p_{i,j})(T_{i,j}) , \text{ and}$$

$$L_{i,j} = (d_{i,j})(T_{i,j}) .$$

For our example we will choose the arbitrary values shown in Figure H-6b. Note that $r_{i,j} = p_{i,j} = 0$ for $i=5$ and that $p_{i,j} = 0$ for $j=3$.

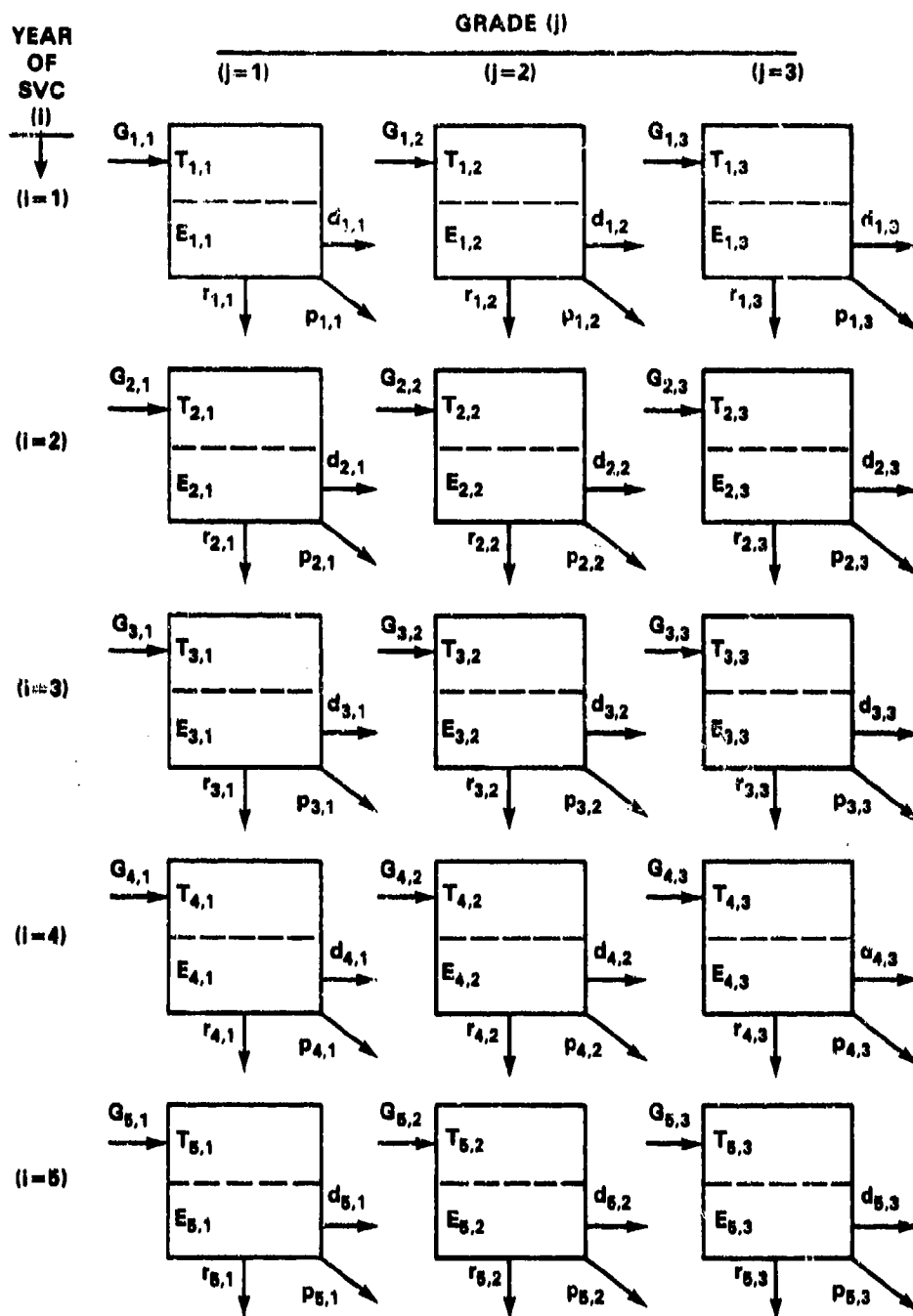
It can be shown that,

$$E_{i,j} = 1.0 + r_{i,j}E_{i+1,j} + p_{i,j}E_{i+1,j+1} .$$

This equation means that the Expected Service Length from any point (i,j) is equal to 1.0 plus the sum of the Expected Service Lengths of the mathematically adjacent cells, (i+1,j) and (i+1,j+1), weighted by the proportion of people from cell (i,j) that move to the adjacent cells. This equation allows us to work backwards through the network, from $i=N$ to $i=1$, calculating the $E_{i,j}$ as we go.

Using this relationship we calculate the Expected Service Lengths for every cell in the network. These values are shown in the boxes in Figure H-6c.

Figure H-8a
Grade by YOS System, Conceptual



LEGEND: $T_{i,j}$ = Strength in cell i,j
 $d_{i,j}$ = Annual Loss Rate
 $p_{i,j}$ = Annual Promotion Rate
 $r_{i,j}$ = Annual Remain in Grade Rate
 $G_{i,j}$ = Annual Gains to cell i,j

$E_{i,j}$ = Expected Service Length for people in cell i,j
 $L_{i,j}$ = Annual Losses
 $P_{i,j}$ = Annual Promotions
 $R_{i,j}$ = Annual Number Remaining in Grade

Figure H-6b
Grade by YOS System with Initial Rates

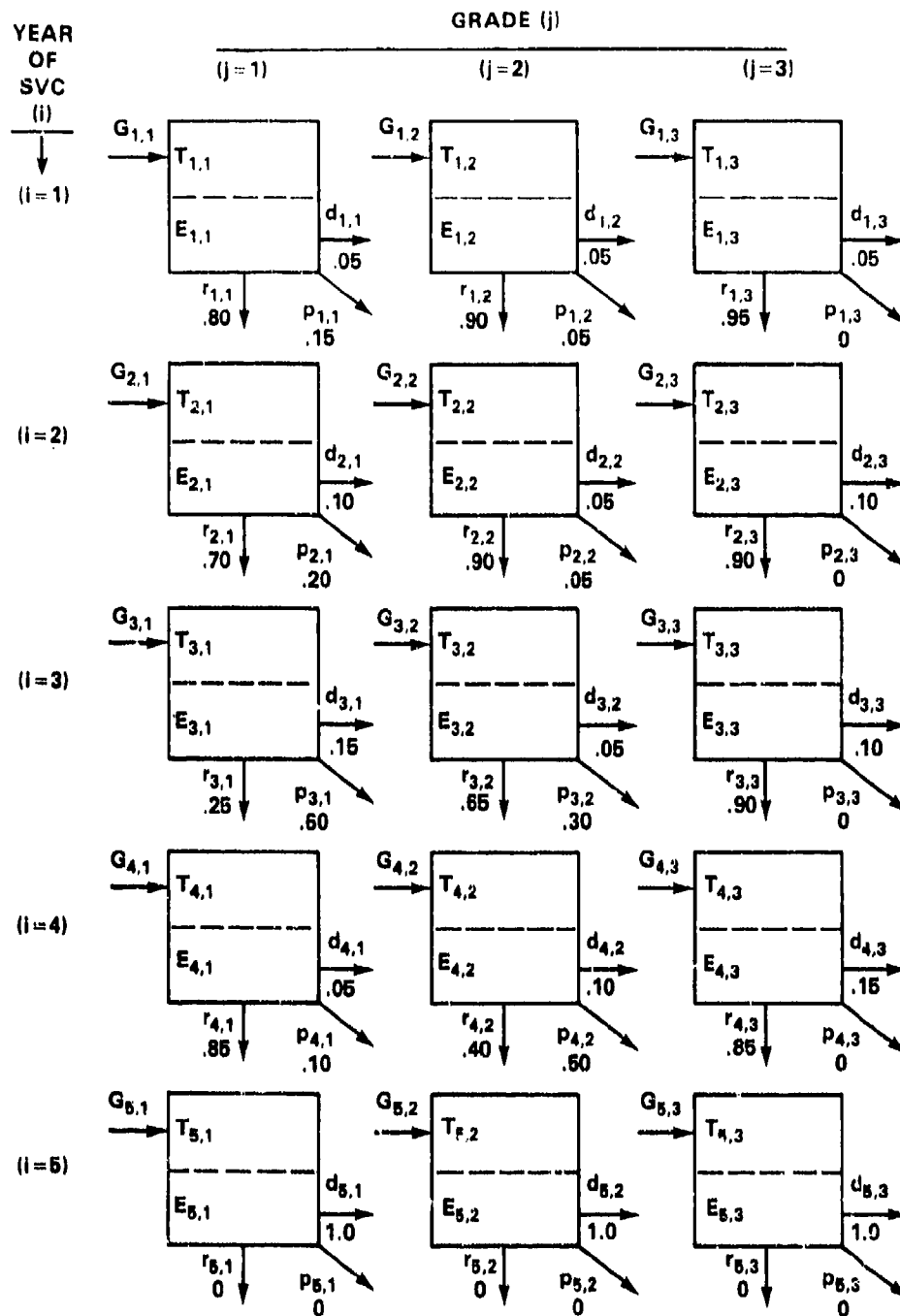
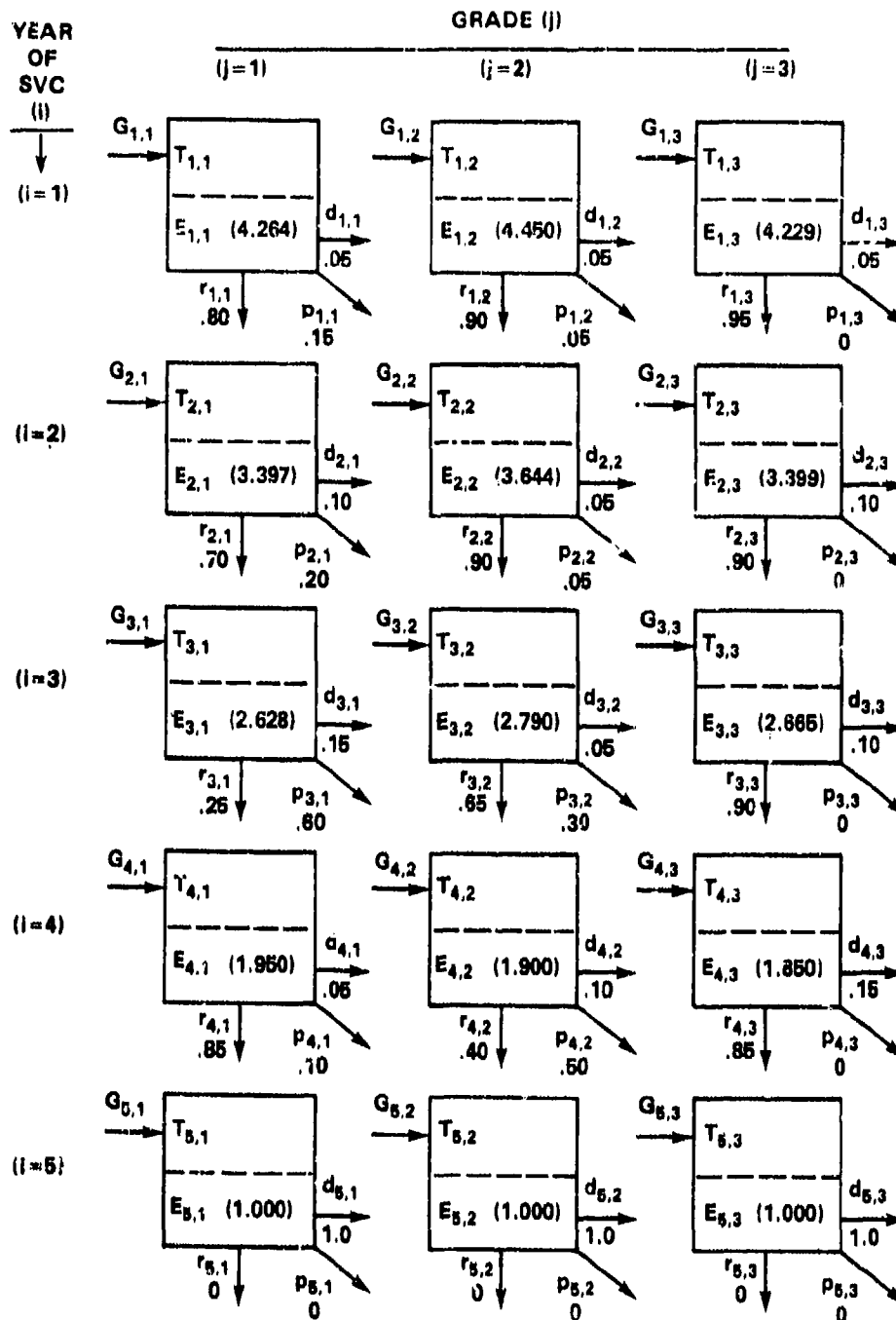


Figure H-8c
Grade by YOS System with Expected Service Length



LEGEND: $T_{i,j}$ = Strength in cell i,j
 $d_{i,j}$ = Annual Loss Rate
 $p_{i,j}$ = Annual Promotion Rate
 $r_{i,j}$ = Annual Remain in Grade Rate
 $G_{i,j}$ = Annual Gains to cell i,j

$E_{i,j}$ = Expected Service Length for people in cell i,j
 $L_{i,j}$ = Annual Losses
 $P_{i,j}$ = Annual Promotions
 $R_{i,j}$ = Annual Number Remaining in Grade

Now our task is to complete the network by computing the number of people in each cell and the number of people for each of the gain, loss, promotion or remain-in-grade transactions. First of all, lets assume we want a total strength of 10,000 ($T = 10,000$). Further, lets arbitrarily decide that $G_{3,2} = 100$ and that $G_{1,1} = 2G_{1,2} = 4G_{1,3}$. All other gain vectors are zero. From before we know that,

$$\begin{aligned} T &= \sum_{i=1}^N [\sum_{j=1}^M (T^{i,j})] \\ &= \sum_{i=1}^N [\sum_{j=1}^M (G_{i,j} E_{1,j})] \\ &= G_{1,1} E_{1,1} + G_{1,2} E_{1,2} + G_{1,3} E_{1,3} + G_{3,2} E_{3,2} \end{aligned}$$

Inserting our known quantities and other relationships:

$$\begin{aligned} 10000 &= (4G_{1,3})(4.2644) + (2G_{1,3})(4.4498) + \\ &\quad (G_{1,3})(4.2286) + (100)(2.79) , \end{aligned}$$

therefore:

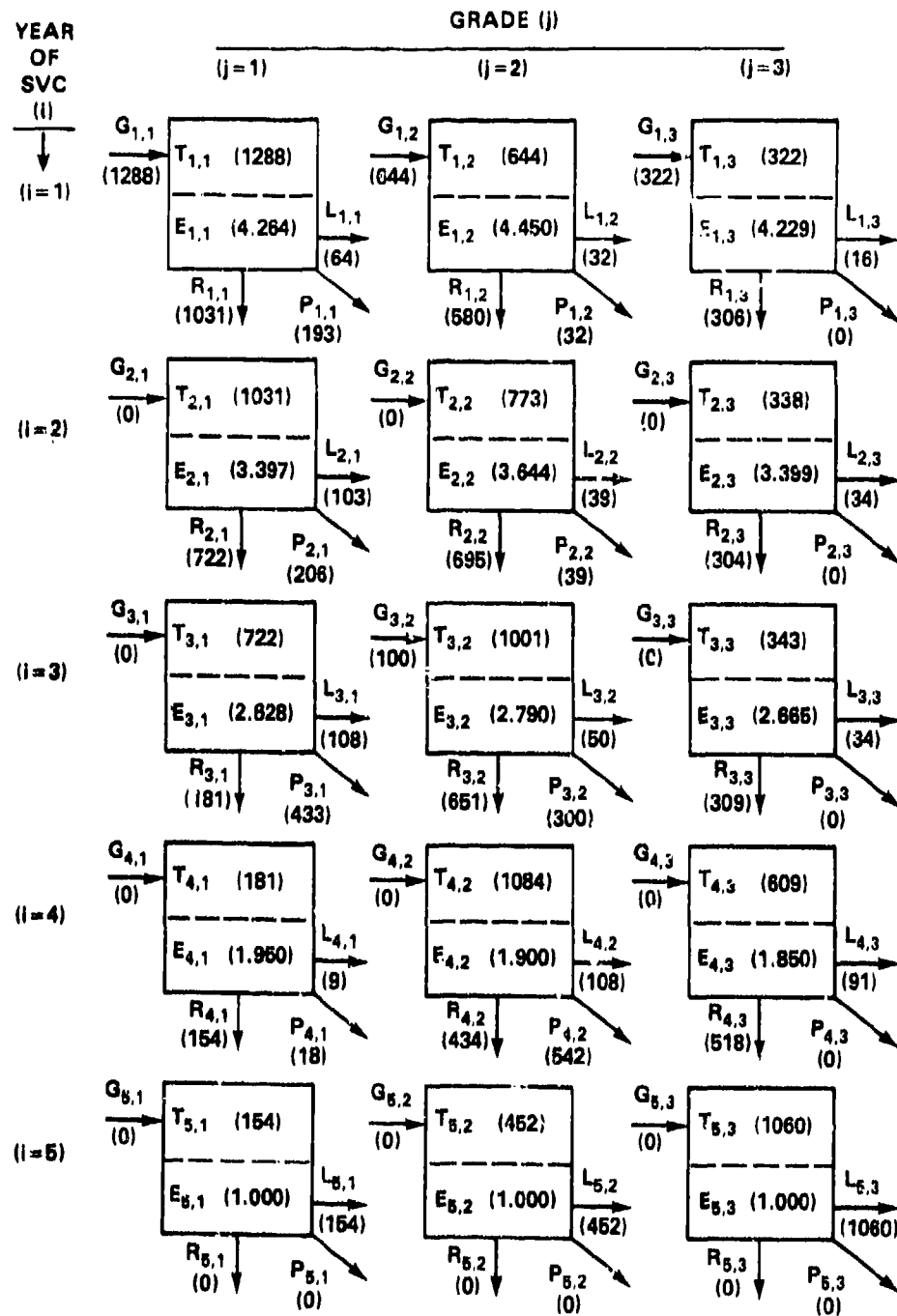
$$\begin{aligned} G_{1,3} &= 322 \\ G_{1,2} &= 644 \\ G_{1,1} &= 1288 , \end{aligned}$$

and:

$$\begin{aligned} T^{1,1} &= 5493 \\ T^{1,2} &= 2866 \\ T^{1,3} &= 1362 \\ T^{3,2} &= 279 . \end{aligned}$$

The rest of the calculations are straightforward; the results are shown in Figure H-6d.

Figure H-6d
Grade by YOS System, Completed



IV. APPLICATION.

A. FORCE STRUCTURE MATRIX. The basic building block of DMSM is a grade by year-of-service matrix wherein each cell reflects the number of people with that particular combination of grade and year of service. The sum of these cell strengths for all grades and years of service is the total strength for that force structure. The grade by year-of-service matrix then defines how that total strength is distributed, or the "shape" of the overall force structure. This shape roughly defines the overall retention in the system. Throughout the study, total strength has been held constant while the shape, as determined by changing retention rates, has varied.

B. STEADY-STATE CONDITIONS. When a particular force structure is in steady state, the strength (both overall as well as in each grade by year-of-service cell) is constant over time. In addition, for a given time unit, e.g., a year, the total gains to the system (as well as each cell) equal the total losses out of the system (or each cell). If annual rates are being used and one of the dimensions of the system is year of service, then each cell strength is also equal to the sum of all annual gains (or losses) to that particular cell. It can be shown that, if the behavior in the system is known (all of the individual cell loss rates and transfer rates between cells are known), then a quantity called Expected Service Life can be calculated for the gains at any point in the force structure. Expected Service Life is the average number of years that a gain, or accession, will remain in service. If the total strength desired is also known, as well as at what points people enter the force structure, then the necessary accession levels can be determined that will satisfy the overall strength requirement. Once this is known, all of the flows can be quantified and various output statistics (including cost) can be calculated.

C. DIMENSIONS. The force structure is broken down into individual cells that are defined according to several dimensions:

1. Communities. For the purpose of the study, three separate communities of personnel -- commissioned officer, warrant officer and enlisted -- have been defined. Generally, the model will only analyze one community at a time. Since the model cannot distinguish between communities it is simulating at a particular moment, the user must track the community and insure that the correct cost files are used.

2. Category. Personnel can exist in any one of up to 15 categories which are treated as entirely separate force structures. This dimension is user definable. As an example, in one instance the user may wish to have it reflect a specific occupational group of Army enlisted personnel; in another, each category could represent an entire community (e.g., all Army enlisted personnel). In the extreme, this dimension could also be used to simulate conversion from reserve to regular status.

3. Source of Entry. Although this facility was not used during the study, people can enter the Service from any one of up to 10 procurement programs, each of which is further described by certain parameters.

4. Grade. Individuals can exist in any one of up to 10 grades depending on which community is being simulated. These correspond to E-1 through E-9, W-1 through W-4, and O-1 through O-10. (Note: during the study, grades E-1 through E-3 were treated as a single grade, "E-3 and below").

5. Year of Service. People can exist in any one of up to 35 YOS calls. In this model, year x is interpreted to mean the xth year of service, i.e., x-1 years have been completed but not x. For instance, the strength in year 1 is comprised of all personnel who have completed less than one YOS; year-2 strength includes all personnel who have completed at least one YOS but not two YOS, etc. For enlisted personnel this dimension is treated as years of active military service; for officers, it is years of active commissioned service.

D. PROCESSES. Several personnel processes are simulated during operation of the model:

1. Accession (Procurement). This process means entering active duty from outside the force. The numbers of annual entrants are extracted from the input data file and can be specified for any grade, YOS or category. The model treats all accessions in YOS other than the first YOS as fixed and will not adjust them. However, it will adjust the gains in the first YOS as necessary to achieve the desired strength level for the category. If adjustments are necessary and first-year accessions are shown as entering in more than one grade, the model will distribute the new level of accessions in the same proportion as contained on the input data file. The feature of permitting accessions in other than the first YOS allows the simulation of prior-service procurement programs, such as recall or Reserve Component procurement. Allowing accessions in grades other than the lowest grade permits the simulation of constructive-credit accession programs such as those for lawyers, physicians and dentists.

2. Lateral Transfer. This process, although imprecise, permits the transfer between the categories specified in a particular exercise of the model. Since it is dependent on the categorization being used, interpreting the flows is similarly dependent:

Categorization

Skill Group
Service
Community

Component

Lateral Transfer

Cross Training
Interservice Transfer
Upward Mobility
(e.g., commissioning)
Augmentation/Integration

Lateral transfer into a category is expressed as a number. Lateral transfer out of a category is expressed as a rate. Transfers into a particular category are not identified as to the category or categories from which they came. Neither does the model check to ensure all the transfers-out equal all the transfers-in. To be correct, the total transfers out of one YOS should equal the total transfers into the next YOS. Various output displays are provided to assist the user in adjusting the input data file. This feature of the model can also be used to simulate the entrants into a skill which has no entrants in the first YOS (for instance, a skill such as first sergeant or recruiter).

3. Promotions. This process simulates the promotion of individuals from one grade to the next higher grade. Demotions are not specifically modeled; neither are promotions of more than one grade. Largely for this latter reason, all enlisted projections grouped the three lowest enlisted grades (E-1, E-2, and E-3) into grade E-3. Because of the differences between enlisted and officer promotions and because time in grade was not a dimension, promotions are specified only by rates for each cell (grade, and year of service and category combination). As a result, promotion opportunity phase points or pass-overs are not specifically identified. Also, only net promotions are simulated; selections are not. The model does not have the capability to adjust itself to reach a set of desired grade strengths; if a specific grade distribution is desired, the user will have to make several simulations, manually adjusting the promotion rates each time.

4. Losses/Retention. This process simulates the various kinds of losses from active duty:

- (a) Death;
- (b) Separation - Disability;
- (c) Separation - Force Control;
- (d) Separation - Involuntary;
- (e) Separation - Voluntary;
- (f) Retirement - Disability;
- (g) Retirement - Force Control;
- (h) Retirement - Involuntary; and
- (i) Retirement - Voluntary.

As used in the model, "involuntary" losses are intended to reflect losses for disciplinary or adverse reasons and may, in fact, be voluntary from the standpoint of the individual (e.g., resignation in lieu of court martial). In short, the Service wants to lose them.

"Force-control" losses, on the other hand, are not disciplinary in nature. Instead, they reflect the operation of law or policy to remove personnel at specific points, such as those set by high-year-of-tenure policies, mandatory retirement points, pass-over policy (i.e., the individuals have been found to be not "fully" or "best qualified" to remain in Service). Both involuntary and force control losses occur for quality control reasons, but there can be differences in terms of cost or historical rates. In general, the adverse losses are expected to obey certain historically consistent patterns, while the force-control losses may not. Furthermore, force control losses may be entitled to special compensation upon their departure.

"Voluntary" losses are losses in addition to those mentioned above. In the Current Objective case, these rates include all voluntary losses. However, since the Baseline case assumes that everyone wants to stay for 35 years, these rates reflect only losses for hardship or humanitarian reasons beyond the influence of the compensation system and not voluntary losses simply for the convenience of the member.

In addition to these loss programs, the aforementioned rates for lateral transfer out are provided, as are rates to reflect transfer to officer status. This latter type of loss can be interpreted to mean anything the user desires; it is treated simply as another kind of loss.

E. INPUT. As described above, the input to the model consists of annual rates, between 1 and 0, that describe how the people in a particular grade and YOS cell will behave during the next year (or what will happen to them). Some will leave the system entirely. Those who leave can do so under a variety of conditions, each of which is determined by separate loss rates. Those who remain will progress to the next YOS cell. Of those who remain, some will be promoted and some will remain in grade. In addition to these rates, the total strength for the force structure is provided as well as some information about where accessions will enter the force structure and in what proportions. Rates should add to 1.0 for each YOS cell. It should be noted that these rates apply to two flow dynamic categories, i.e., remain-in-service rates plus loss-from-active-duty rates must total to 1.0 across each year of YOS. See Attachment 6 for an example of an input data file.

F. OUTPUT. The output of the model consists of several matrices showing the numbers of people (not rates) for the following:

1. Strength by grade and YOS;
2. Gains to each grade and YOS cell by type of gain;
3. Losses out of each grade and YOS cell by reason for loss (death, disability, retirement, forced separation, etcetera); and
4. Promotions out of and into each grade and YOS cell.

Using these matrices, various summary output statistics can then be calculated: average years of service, turnover rates (overall and by grade), expected service length (overall and by grade), grade distribution, average time in service at promotion, etcetera. Using the appropriate entitlement and cost factor matrices in tandem with the corresponding force structure matrices, the annual steady-state cost of the force structure can be calculated. This output data can then be used to compare alternative systems. Attachments 15 and 20 provide examples of the output reports.

G. MODEL OPERATION. The model has four separate modules; the user executes only those that are applicable during a particular projection.

1. READER Module. This module checks input data for proper format and determines whether all disposition rates add to 100% for each grade and YOS cell.

2. MODEL Module. This module allows the user to specify the overall strength level and performs the bulk of the calculations to convert rates into numbers of people.

3. REPORT Module. This module generates the output reports. The user can specify whether to print reports for each category or for the aggregate only.

4. COSTER Module. This last module calculates and prints the costs by cost element for each force structure category. Section V below contains more details on the cost routine.

V. DMSM COSTING.

A. GENERAL. Each of the category force structures is costed using the last module in DMSM. The routine has the capability to separately cost each of 66 cost elements. The aggregated result provides the total cost of each force structure by occupational category. The first 41 of these cost elements are predefined as variable costs and the remaining 25 are fixed costs. Both variable-cost elements and fixed-cost elements are separately grouped into five types:

1. Gain-related costs.
2. Maintenance costs.
3. Special & Incentive pay costs.
4. Loss-related costs (non-retirement).
5. Retirement costs (retirement losses can be costed using up to 15 different retirement plans, but there is no adjustment of retention rates between retirement plans).

B. SOURCE OF DATA. The ORMC staff developed the majority of the data used in the cost routine through the use of personnel and finance data tapes, actual FY82 data displayed in the Military Personnel Appropriation justification books supporting the FY84 President's Budget, and reports submitted to OSD. There were certain cost elements, however, which required input from each Service due to their unique characteristics. The Services were specifically asked to develop the rates for accession-related costs and selected Special and Incentive pays.

C. FIXED COSTS. The fixed-cost routine simply allows the user to specify a fixed dollar amount for a particular cost element.

D. VARIABLE COSTS. The variable-cost routine multiplies together the following three matrices dimensioned by grade and year of service:

1. Population or Flow Matrices. These matrices reflect the populations who receive or incur a particular cost. Some costs are based on the strength while others are attributable to the various kinds of gains or losses.

2. Entitlement Matrices. These specify the proportion of eligible personnel who receive or incur a particular cost element. Each grade and YOS cell within the matrix contains a number between zero and one, inclusively. A zero implies that no individuals within that grade and YOS receive or incur the specific cost element being considered. An entry of one indicates that everyone receives or incurs that cost element.

3. Cost-Rate Matrices. The cost-rate matrices provide the cost rate of each cost element on a per individual basis.

E. COST DATABASE AND COST MAPS. During the course of the study, many different entitlement and cost-rate matrices were used. These were stored in a large file called the COST DATABASE, which had a capacity for 1,500 separate matrices (over 1,100 were used). During a particular simulation, the user told the model which specific matrices to use via a small file called COSTMAP. This file provided, by category and cost element, two index numbers -- corresponding to the location in the COST DATABASE of the appropriate entitlement and cost-rate matrices. If either of the two index numbers was zero, then the cost for that particular cost element in that category was set to zero. The COSTMAPS also contained the dollar amounts, in thousands, of any fixed-cost elements. Examples of some of the files contained in the COST DATABASE are located at Attachment 27; examples of COSTMAPS are located at Attachment 31. Table H-2 shows which specific population, entitlement and cost-rate matrix was used for each of the variable-cost elements. An "X" in the entitlement or cost-rate column indicates there were many different matrices used. Table H-3 tabulates the fixed cost amounts that were used during the study. Tables H-4, H-5 and H-6 display the respective variable cost-rates used for the accession-related cost factors.

Table H-2
Variable Cost Elements
Population, Entitlement & Cost-Rate Matrices

POPULATION OR FLOW MATRIX										COST RATE MATRICES									
STAY										ENTITLED									
SEPARATION										OFFICER									
RETIREMENT										ENTITLED									
ENTITLED										OFFICER									
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Table H-3
Fixed Cost Elements
by Service and Community
(FY82 Amounts in \$Thousands)

FIXED COSTS:		ENLISTED			h. RPANT			OFFICER		
COST MAP REF		ARMY	NAVY	USMC	USAF	ARMY	NAVY	USMC	NAVY	USAF
GAIN-RELATED:										
FG 1 ACQUISITION	52	0	0	0	0	0	0	0	0	0
FG 2 TRAINING	53	478000	217000	181000	202000	35000	0	2000	54000	359000
FG 3 CADET	54	0	0	0	0	0	0	0	31200	33100
FG 4-5 --UNUSED--	55-56	0	0	0	0	0	0	0	0	0
MAINTENANCE:										
FM 1 PCS-O,R,U	42	514200	231200	63100	426600	0	0	0	149400	98600
FM 2 PCS-STORAGE	43	17300	3800	1300	16100	0	0	0	8100	2700
FM 3 OSA	44	66000	60300	16800	103900	0	0	0	23800	17700
FM 4 FSA	45	20500	10800	2700	9600	0	0	0	2700	1800
FM 5 CLTHG, MISC	46	6800	7400	2800	1600	0	0	0	0	0
SPECIAL & INCENTIVE PAY:										
FS 1 MISCELLANEOUS	57	58800	50300	15500	32400	0	0	0	5000	3500
FS 2-REGULAR	58	105800	433700	105900	85300	24500	3400	0	103500	154300
FS 3-5 --UNUSED--	59-61	0	0	0	0	0	0	0	0	0
LOSS-RELATED (NON-RMT):										
FL 1 MISCELLANEOUS	47	2400	2100	1300	200	0	0	0	0	0
FL 2-5 --UNUSED--	48-51	0	0	0	0	0	0	0	0	0
RETIREMENT:										
FR 1 TITLE III	62	46900	37300	2300	23600	91800	19400	1400	366600	15460
FR 2 SURV BENEFITS	63	91100	64200	7200	54400	17000	4600	500	68000	3680
FR 3-5 --UNUSED--	64-66	0	0	0	0	0	0	0	0	0

* NOTE: "FS 2 REGULAR" IS ONLY USED DURING AGGREGATE COMMUNITY SIMULATIONS WHERE EACH CATEGORY IS THE TOTAL ENLISTED OR OFFICER COMMUNITY FOR A SERVICE. IT IS THE AMOUNT SPENT FOR THOSE S & I PAYS THAT ARE NORMALLY COSTED AT THE OCCUPATIONAL GROUP LEVEL. FIGURES REFLECT THE AMOUNTS FROM THE CURRENT OBJECTIVE CASE. WHEN MAKING A DISAGGREGATED SIMULATION, WHERE EACH CATEGORY IS A SEPARATE OCCUPATIONAL GROUP, THIS ITEM IS ZEROED OUT AND THE APPROPRIATE VARIABLE S & I PAY MATRICES ARE USED.

Table H-4
Accession Bonus Cost Factors

	<u>ARMY</u>	<u>NAVY</u>	<u>USMC</u>	<u>USAF</u>
<u>ENLISTED:</u>	\$1,051	\$ 103	0	\$ 39
Infantry, Seamanship(0XX)	2,856	93	0	0
Electronic Repair (1XX)	174	140	0	0
Comm & Intell (2XX)	2,010	176	0	373
Medical & Dental (3XX)	0	0	N/A	0
Other Technical (4XX)	576	0	0	181
Support & Admin (5XX)	5	0	0	0
Elect/Mech Repair (6XX)	102	176	0	6
Craftsmen (7XX)	0	0	0	0
Service & Supply (8XX)	0	0	0	0
Non-Occupational (9XX)	N/A	N/A	0	N/A
<u>WARRANT OFFICER:</u>	0	0	0	N/A
Pilot	0	N/A	N/A	N/A
Other	0	0	0	N/A
<u>COMMISSIONED OFFICER:</u>	0	0	0	0
Judge Advocate	0	0	0	0
Chaplain	0	0	N/A	0
Physician	0	0	N/A	0
Dentist	0	0	N/A	0
Nurse	0	0	N/A	0
Veterinarian	0	N/A	N/A	N/A
MSC	0	0	N/A	0
BSC	0	N/A	N/A	0
Pilot	0	0	0	0
Navigator	N/A	0	0	0
Surface	N/A	0	N/A	N/A
Submarine	N/A	6,000*	N/A	N/A
URL-General	N/A	0	N/A	N/A
Combat Arms	0	N/A	0	N/A
Combat Support	0	N/A	0	N/A
Scientist/Engineer	N/A	N/A	N/A	0
Restr. Line/Staff Corps	N/A	0	N/A	N/A
Other	0	N/A	N/A	0
Limited Duty Officer	N/A	0	0	N/A

*Used with a 0.265 entitlement factor.

Table H-5
Variable Acquisition Cost Factors

	<u>ARMY</u>	<u>NAVY</u>	<u>USMC</u>	<u>USAF</u>
<u>ENLISTED:</u>	\$ 3,447	\$ 2,347	\$ 3,758	\$ 2,893
Infantry, Seamanship(OXX)	3,447	2,347	3,758	2,893
Electronic Repair (1XX)	3,447	2,347	3,758	2,893
Comm & Intell (2XX)	3,447	2,347	3,758	2,893
Medical & Dental (3XX)	3,447	2,347	N/A	2,893
Other Technical (4XX)	3,447	2,347	3,758	2,893
Support & Admin (5XX)	3,447	2,347	3,758	2,893
Elect/Mech Repair (6XX)	3,447	2,347	3,758	2,893
Craftsmen (7XX)	3,447	2,347	3,758	2,893
Service & Supply (8XX)	3,447	2,347	3,758	2,893
Non-Occupational (9XX)	N/A	N/A	3,758	N/A
<u>WARRANT OFFICER:</u>	17,432	3,439	0	N/A
Pilot	17,432	N/A	N/A	N/A
Other	17,432	3,439	0	N/A
<u>COMMISSIONED OFFICER:</u>	17,432	3,439	9,175	14,769
Judge Advocate	17,432	3,439	5,449	14,769
Chaplain	17,432	3,439	N/A	14,769
Physician	17,432	3,439	N/A	14,769
Dentist	17,432	3,439	N/A	14,769
Nurse	17,432	3,439	N/A	14,769
Veterinarian	17,432	N/A	N/A	N/A
MSC	17,432	3,439	N/A	14,769
BSC	17,432	N/A	N/A	14,769
Pilot	17,432	3,439	9,175	14,769
Navigator	N/A	3,439	22,503	14,769
Surface	N/A	3,439	N/A	N/A
Submarine	N/A	3,439	N/A	N/A
URL-General	N/A	3,439	N/A	N/A
Combat Arms	17,432	N/A	11,018	N/A
Combat Support	17,432	N/A	10,732	N/A
Scientist/Engineer	N/A	N/A	N/A	14,769
Rastr. Line/Staff Corps	N/A	3,439	N/A	N/A
Other	17,432	N/A	N/A	14,769
Limited Duty Officer	N/A	3,439	0	N/A

Table H-6
Initial Training Variable Cost Factors

	ARMY	NAVY	USMC	USAF
<u>ENLISTED:</u>	\$ 3,294	\$ 3,283	\$ 5,788	\$ 4,912
Infantry, Seamanship(0XX)	3,285	1,227	2,770	2,744
Electronic Repair (1XX)	3,033	7,554	17,038	9,289
Comm & Intell (2XX)	3,332	4,872	8,851	6,570
Medical & Dental (3XX)	7,877	1,561	N/A	4,384
Other Technical (4XX)	3,033	4,148	7,512	5,697
Support & Admin (5XX)	2,799	1,373	3,068	3,198
Elect/Mech Repair (6XX)	2,799	3,695	12,802	4,436
Craftsmen (7XX)	2,799	2,272	2,873	4,260
Service & Supply (8XX)	2,799	1,664	2,139	3,121
Non-Occupational (9XX)	N/A	N/A	0	N/A
<u>WARRANT OFFICER:</u>	27,389	0	30,071	N/A
Pilot	145,534	N/A	N/A	N/A
Other	3,367	0	30,071	N/A
<u>COMMISSIONED OFFICER:</u>	11,245	256,616	265,347	81,012
Judge Advocate	0	2,898	28,226	0
Chaplain	0	3,500	N/A	0
Physician	0	663	N/A	0
Dentist	0	670	N/A	0
Nurse	0	576	N/A	0
Veterinarian	0	N/A	N/A	N/A
MSC	0	2,284	N/A	0
BSC	0	N/A	N/A	0
Pilot	145,457	985,912	983,541	249,047
Navigator	N/A	467,538	452,519	50,849
Surface	N/A	18,555	N/A	N/A
Submarine	N/A	49,152	N/A	N/A
URL-General	N/A	7,504	N/A	N/A
Combat Arms	2,602	N/A	29,892	N/A
Combat Support	3,371	N/A	30,071	N/A
Scientist/Engineer	N/A	N/A	N/A	52,217
Restr. Line/Staff Corps	N/A	13,772	N/A	N/A
Other	3,378	N/A	N/A	7,527
Limited Duty Officer	N/A	2,542	0	N/A

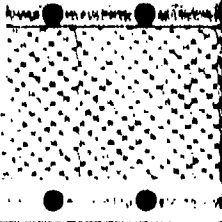
VI. SYSTEM NETWORK. Figure H-7 displays the relationship between the various programs that comprise the DMSM and its support system. The numbers in parentheses indicate the number of the attachment where each program listing or example may be found.

There are a number of programs referred to as EXECs. These are unique to the IBM system and contain information that specifically identifies which input/output files the main program is to use. In the case of interactive programs, they also have the capacity to respond to interrogatives from the main program via a mechanism called the STACK. This particular provision enables the user to predetermine the answers to the questions to be asked by the main program, to load these in the EXEC's STACK and allow the EXEC to automatically control the execution of the main program. Because of their usefulness and flexibility, these EXECs were used extensively. Through the use of EXECs, the selection of which depends on the circumstances of a particular simulation, all or only one of the DMSM modules could be executed with or without a user at the terminal. In the case of the REPORT and COSTER modules, a multitude of simulations could be accomplished by using the BATCHRPT and BATCHCST EXECs.

During a DMSM run, five internal files are generated to compactly store the various kinds of information and pass it from module to module. These files have the following CMS filetypes: INFO, GRATES, LRATES, DATA and SUBSTRUC. Although they are shown in Figure H-7, examples are not provided because they are stored in machine-readable format only.

In the lower left corner of Figure H-7 are the various programs and EXECs which support the costing routine. The routine RETIRE, for instance, is a lengthy program (over 900 lines of FORTRAN code) which facilitates creation of cost files (35 x 10 matrices). In particular, it contains the code used to construct cost factor files for each retirement option. Individual data files are loaded by CFLOAD into the file COST DATABASE; CFREPORT publishes an index of the same file.

A vertical strip of film showing a repeating pattern of sprocket holes and a textured, grainy surface, likely representing a film strip or a scan of a film frame. The sprocket holes are arranged in a regular grid pattern along the left edge of the strip. The film itself has a mottled, high-contrast appearance with various shades of gray and black, suggesting a scan of a physical film negative or a heavily processed image. The overall effect is one of a continuous, vertical sequence of frames or a single frame captured over time.



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"	3. Listing - Driver Exec.....	H- 61
"	4. Listing - Driver Program.....	H- 62
"	5. Listing - Newdrive Exec.....	H- 65
"	6. Listing - Input Data File - ACE09CAT.....	H- 66
"	7. Listing - Reader Exec.....	H- 83
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DEFENSE MANPOWER STATIC MODEL
(DMSM)
USER MANUAL

H-37a

App H Atch 1

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1.0 INTRODUCTION

This documentation covers the major programs within the Defense Manpower Static Model (DMSM) System. The documentation covers the current version of the system. It does not cover sections of the system which are not currently implemented.

The programs covered are:

- DRIVER - Creates run execs.
- READER - Reformats initial force data.
- MODEL - Static model.
- REPORT - Produces force structure reports.
- COSTER - Produces force structure cost reports.

2.0 ENVIRONMENT

The DMSM System was developed on an IBM 4341 under VM/SP using CMS.

The models themselves were written entirely in FORTRAN and compiled using the FORTGI compiler.

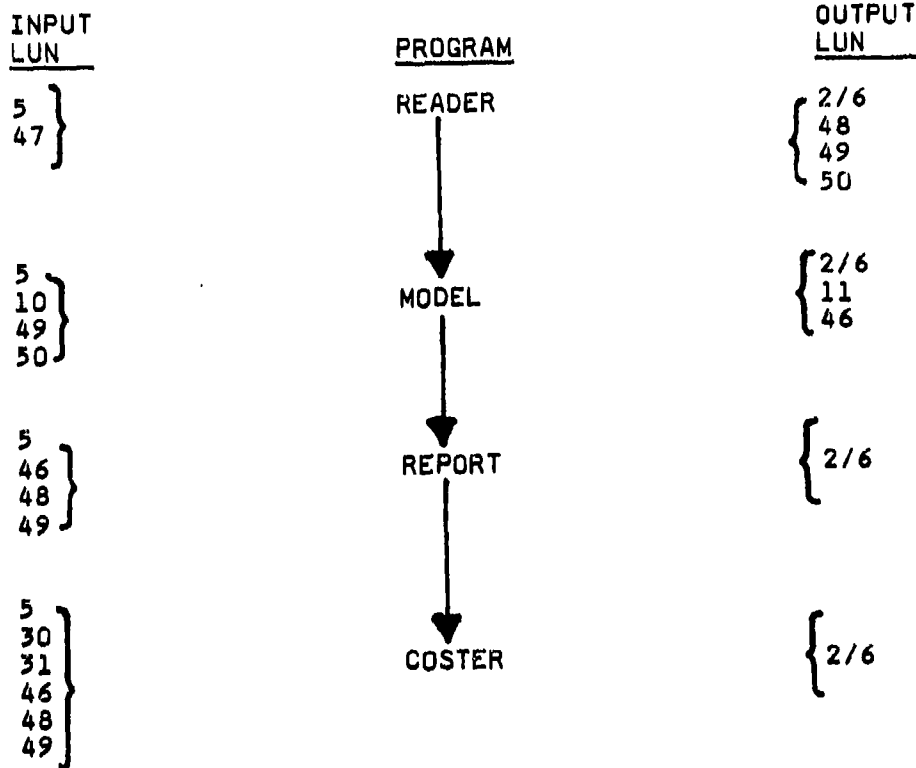
3.0 METHOD OF OPERATION

In general, the operation of the DMSM proceeds as follows:

- Step 1 - Initial force structure data is input onto a disk file using the system editor (XEDIT).
- Step 2 - The DRIVER program is run to create the necessary execs used to run the other programs.
- Step 3 - The READER program is run to reformat the input data from step 1 into a format more suitable for use by the remaining programs. This program also performs simple verification of rates if desired.
- Step 4 - The MODEL program is run to create a steady state force profile. If a Model Parameter file has not already been created, the user is required to create one before continuing.
- Step 5 - The REPORT program is run to produce aggregate and detailed force structure and flow reports.
- Step 6 - The COSTER program is run to produce aggregate and detailed cost reports. This step assumed that a costmap and cost data base exists.

Figure 1 shows the relationships between the programs and the data flows. One thing to note is that step 5 and step 6 are not dependent on each other.

The preceding steps were either performed individually or steps 3-6 could be performed as one complete step using a master exec.



Legend:

- | | |
|--------|---|
| READER | - Program Used to Reformat Force Data |
| MODEL | - Program Used to Generate Steady State Force |
| REPORT | - Program Used To Produce Strength Reports |
| COSTER | - Program Used to Produce Cost Reports |
| | |
| 2/6 | - Printer/Terminal Output |
| 5 | - Terminal Input |
| 10 | - Input Model Parameter File |
| 30 | - Cost File Data Base |
| 31 | - Cost Map |
| 46 | - Force Structure Model Output |
| 47 | - Initial Force Structure Data |
| 48 | - Attrition Rates |
| 49 | - Remain in Grade Rates, Promotion Rates, Gains |
| 50 | - Force Structure Information |

Figure 1

4.0 OPERATING INSTRUCTIONS

The following sections describe the prompts a user would see during program execution and explain the expected input.

The symbol (CR) is used to define a carriage return.

4.1 DRIVER

To execute program type:

DRIVER (CR)

The following series of prompts will then be displayed:

PROMPT: ENTER NAME OF USERID WHERE DATA EXISTS (8 CHAR MAX)

RESPONSE: Enter the USERID where the initial force structure data exists and press carriage return.

PROMPT: ENTER FIRST NAME OF FILE (E.G., USAFE)

RESPONSE: Enter filename of the initial force structure data and press CR.

PROMPT: ENTER SECOND NAME OF FILE (E.G., CURRENT)

RESPONSE: Enter the filetype of the initial force structure data and press CR.

PROMPT: ENTER RUNTYPE ENLISTED = 1 OFFICER = 2
WARRANT = 3

RESPONSE: 1 (CR) assumes 9 grades in file
2 (CR) assumes 6 grades in file
3 (CR) assumes 4 grades in file

At this point the program will generate the appropriate execs and terminate processing.

4.2 READER

To execute program type:

READER (CR)

The following prompts will be displayed:

- (A1) PROMPT: DO YOU WANT TO USE A PARAMETER FILE
IN THE LIBRARY?
RESPONSE: YES (CR) - Use previously defined
parameter file. (Go to
A2).
NO (CR) - Wish to create/modify a parameter
file. (Go to section 4.3.1 for
prompts).
- (A2) PROMPT: DO YOU WANT TO SEE ANY OF THE DATA???
- RESPONSE: NO (CR) - Do not want to see param-
eter file data. (Go to
A3).
YES (CR) - Wish to see parameter
file data. (Go to
section 4.3.2 for
prompts).
- (A3) PROMPT: DO YOU WANT TO CHANGE ANY PARAMETERS:
- RESPONSE: NO (CR) - Do not wish to modify
Model Parameter file.
(Go to A4).
YES (CR) - Wish to modify Model
Parameter file. (Go to
section 4.3.1).
- (A4) PROMPT: DO YOU WANT TO STORE THE CURRENT
PARAMETER FILE
- RESPONSE: NO (CR) - Any changes made will not
be saved. (Go to A5).
YES (CR) - A new copy of Model
Parameter file will be
created. The old copy
will be overwritten. (Go
to A5).

(A5) PROMPT: DO YOU WANT TO MAKE A MODEL RUN
USING THIS FILE?
RESPONSE: YES (CR) - Processing will
continue. (Go to A6)
NO (CR) - Processing will terminate
at this point. Useful if
one wishes only to
create/modify Model
Parameter file and not
make model run.

(A6) PROMPT: OK INITIAL SET-UP COMPLETE ---
STARTING MODEL RUN NOW, OUTPUT TO
PRINTER (1) OR TERMINAL (0)???
RESPONSE: 1 (CR) - Model output sent to
printer. (Go to A7).
0 (CR) - Model output sent to
terminal. (Go to A7).

(A7) PROMPT: DISPLAY RETENTION RATE RESOLUTION
MATRICES???
RESPONSE: YES (CR) - Model output will contain
retention rate resolution
matrices. (Go to A8.)
NO (CR) - Display will be
suppressed. (Go to A8).

(A8) PROMPT: DO YOU WANT TO USE THE COST
ROUTINE???
RESPONSE: YES (CR) - Cost routine has been
removed from model and
any answer will suffice
here.

At this point the model will begin execution and will
produce various output reports. When finished
execution will terminate.

4.3.1 Create/Modify a Model Parameter file. This
section describes the prompts and expected responses:

(B1) PROMPT: NOW GOING TO BUILD/ALTER PARAMETER
FILE

(B2) PROMPT: ENTER THE NUMBER OF THE SECTION YOU
WANT TO BUILD/ALTER ACCORDING TO THE
FOLLOWING TABLE

- 0 -- FINISHED, READY TO GO ON
- 1 -- TOTAL DESIGN STRENGTH
- 2 -- PROCUREMENT DATA
- 3 -- MANAGEMENT CATEGORY DATA
- 4 -- TRAINING FLOW DATA
- 5 -- CONTRACT DATA

SECTION TO BUILD/ALTER?
RESPONSE: 0 (CR) - Finished creating or
modifying a Model Param-
eter file. Return to
main routine. (Go to A3).
1 (CR) - Want to create/modify
design strength. (Go to
B3).
2 (CR) - Want to create/modify
procurement data. (Go to
B4).
3 (CR) - Want to create/modify
management category
data. (Go to B8).
4 (CR) - Want to create/modify
training flow data. (Go
to B12).
5 (CR) - Want to create/modify
contract data. (Go to
B13.)

(B3) PROMPT: ENTER DESIGN STR, NBR OF GRADES

RESPONSE: XXX,YY(CR) Where XX is the total
force strength and YY is
the number of grades
(1-10). (Go to B2).

(B4) PROMPT: ENTER PROCUREMENT SUBSECTION TO
BUILD/ALTER

- 0 -- FINISHED, READY TO GO ON
- 1 -- NUMBER OF SOURCES
- 2 -- SOURCE NAME TABLE
- 3 -- SOURCE PARAMETER TABLE

RESPONSE: 0 (CR) - Finished with procurement subsection. (Go to B2).
 1 (CR) - Want to create/modify number of sources. (Go to B5).
 2 (CR) - Want to create/modify source name table. (Go to B6).
 3 (CR) - Want to create/modify source parameter table data. (Go to B7)

(B5) PROMPT: NUMBER OF SOURCES?
 RESPONSE: YY (CR) Where YY is number of accession sources (1-10). (Go to B4).

(B6) PROMPT: FOR SOURCE NN GIVE 4-LTR ABBR
 RESPONSE: AAAA (CR) Where AAAA is a 4-letter abbreviation for source NN. This prompt will be given once for each source defined. (Go to B4).

(B7) PROMPT: FOR SOURCE NN GIVE YEARLY PROCUREMENT
 RESPONSE: YY (CR) Where YY is the yearly procurement from source NN. This prompt will be given for each defined source. (Go to B4).

(B8) PROMPT: ENTER MANAGEMENT CATEGORY SUBSECTION
 0 -- FINISHED, READY TO GO ON
 1 -- NUMBER OF CATEGORIES
 2 -- CATEGORY NAME TABLE
 3 --CATEGORY PARAMETER TABLE
 RESPONSE: 0 (CR) - Finished creating or modifying management category data. (Go to B2).
 1 (CR) - Want to create/modify number of management categories. (Go to B9).
 2 (CR) - Want to create/modify management category name table. (Go to B10).

- 3 (CR) - Want to create/modify management category parameter data. (Go to B11).
- (B9) PROMPT: NUMBER OF CATEGORIES?
RESPONSE: YY (CR) Where YY is the number of management categories (1-15). (Go to B8).
- (B10) PROMPT: FOR CATEGORY NN GIVE 4-LTR ABBR
RESPONSE: AAAA (CR) Where AAAA is a 4 letter abbreviation for management category NN. This prompt is given for each management category defined. (Go to B8).
- (B11) PROMPT: FOR CATEGORY NN GIVE TOTAL REQ'D
RESPONSE: YYY (CR) Where YY is the total strength desired in management category NN. This prompt is given for each management category defined. NOTE: the sum of the required strengths equals the desired total force strength. (Go to B8).
- (B12) PROMPT: FOR SOURCE XX GIVE TRAINING FLOW RATES FROM SOURCE TO CATEGORY (REMEMBER THEY MUST SUM TO 1.00)
RESPONSE: X1, X2, ..., XN (CR)
Where X1, X2, ..., XN are training flow rates for source XX to categories 1, 2, ..., N where N is the last defined category. This prompt is given once for each source defined. (Go to B8).

(B13) PROMPT: HOW MANY CONTRACTS??
 RESPONSE: YY (CR) - Where YY is the number of
 different type of
 contracts desired
 (1-10). (Go to B14).

(B14) PROMPT: WHICH CONTRACT (ENTER 0 WHEN
 FINISHED)
 RESPONSE: 0 (CR) - Finished with contract
 subsection. (Go to B2).
 YY (CR) - Where YY is the contract
 number to be created/
 modified. (Go to B15).

(B15) PROMPT: GIVE PARAMETERS FOR CONTRACT # NN
 START YEAR, TOTAL CNTRCTEES, LENGTH
 (YRS), COST/YR, MANAGEMENT CATEGORY,
 LOSS RATE/YR, BONUS PAYMENT PLAN
 (1-EVERYONE IN YRGRPS & CATEGORY :2
 - JUST CNTRCTEES)
 RESPONSE: SY, YY, LY, CY, MC, LR, BP (CR)
 Where SY - Is start year of
 contract;
 YY - Is number of contractees
 desired;
 LY - Is length of contract in
 years;
 CY - Is cost per year (not
 currently used);
 MC - Is management category #
 to apply contractees to;
 LR - Is loss rate of
 contractees per year; and
 BP - Bonus Payment Plan to
 use (not currently used).
 (Go to B14).

4.3.2 Model Parameter File Data Display. This
 section covers the prompts encountered in displaying
 the Model Parameter file. This section also covers
 displaying promotion and remain in grade rates which
 are not stored on Model Parameter file.

(C1) PROMPT: OUTPUT TO PRINTER (1) OR TERMINAL (0)
 RESPONSE: 1 (CR) - Display output on printer. (Go to C2).
 0 (CR) - Display output on terminal. (Go to C2).

(C2) PROMPT: DO YOU WANT TO SEE ALL OF THE DATA??
 RESPONSE: YES (CR) - Display all model parameter data. (Go to A3).
 NO (CR) - Desire specific sections to be displayed. (Go to C3).

(C3) PROMPT: WHICH SECTION?? (ENTER 0 IF FINISHED)
 RESPONSE: 0 (CR) - Finished, return to main program. (Go to A3).
 1 (CR) - Display design strength, number of grades. (Go to C3).
 2 (CR) - Display procurement data. (Go to C3).
 3 (CR) - Display management category data. (Go to C3).
 4 (CR) - Display training flow data. (Go to C3).
 5 (CR) - Display contract data. (Go to C3).
 6 (CR) - Display promotion data. (Not stored in Model Parameter file but extracted from one of required input files.) (Go to C3).
 7 (CR) - Display remain in grade rates. (Not stored in Model Parameter file but extracted from one of required input files). Note that the display titles these rates as 'RESIDUAL LOSS RATES'. The rates displayed are actually remain in grade. (Go to C3).

4.4 REPORT

To execute program type:

REPORT (CR)

The following sequence of prompts will be displayed.

(D1) PROMPT: QRMG REPORT GENERATOR OPTIONS: 1 =
TOTAL FORCE ONLY
2 = DETAIL DISPLAYS
RESPONSE: 1 (CR) - Produce total force
strength displays only.
(Go to D2).
2 (CR) - Produce total force
strength display and
category strength
displays. (Go to D2).
3 (CR) - Produce abbreviated
detail display. No
headers, totals only for
category displays. Used
for model validation.
(Go to D2).
(D2) PROMPT: OUTPUT TO PRINTER (1) OR TERMINAL
(0)?
RESPONSE: 1 (CR) - Output displayed on
printer.
1 (CR) - Output displayed on
terminal.

At this point the program will generate the
desired reports at which time execution will
terminate.

4.5 COSTER

To execute program type in:

COSTER FN1 FN2

Where FN1 is the filename of the model files.

FN2 is the filename of the COSTMAP.

The following sequence of prompts will be displayed.

(E1) PROMPT: OUTPUT TO PRINTER (0) OR TERMINAL
(1)? (99 = STOP)
RESPONSE: 0 (CR) - Display report on
printer. (Go to E1).
1 (CR) - Display report on terminal. (Go to E1).
99 (CR) - Terminate execution.

5.0 CONVERSION NOTES

The system of programs and exec's which make up the DMSM System should be able to be run on any VM/CMS compatible system. Standard FORTRAN was used throughout. There are only three routines which may be site dependent. These are described below:

<u>Routine Name</u>		<u>Purpose</u>
DISPCL	(Subroutine)	Clear a 3270 type
CLRSCRN	(Module)	screen. Has no
		affect on other
		terminal types.
QTIME	(Subroutine)	Returns the current
		date and time.

None of these are essential or necessary for operation of the system.

APPENDIX A

Program Cross-Reference

H-54

App H Atch 1

MODULE NAME: READER

EXEC NAME: READER

MAIN PROGRAM NAME: READER

SUBROUTINES CALLED:

(INTERNAL NAME)	(EXTERNAL NAME)
<u>DISPCL</u>	<u>DISPCL</u>
<u>VERIFY</u>	<u>VERIFY</u>
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

PURPOSE:

TO READ FORCE INFORMATION AND REFORMAT FOR USE BY
STATIC MODEL. VERIFICATION OF RATES IS AN OPTION.

INPUTS:

(LUN)

- 5 - USER INPUT TO PROMPTS
- 47 - FORCE INFORMATION (BY CATEGORY AND GRADE)

OUTPUTS:

(LUN)

- 6/2 - TERMINAL/PRINTER VERIFICATION RESULTS
- 48 - ATTRITION DATA
- 49 - REMAIN IN GRADE, PROMOTION, GAIN DATA
- 50 - MODEL PARAMETER INFORMATION

MODULE NAME: MODEL

EXEC NAME: MODEL

MAIN PROGRAM NAME: MODEL

SUBROUTINES CALLED:

(INTERNAL NAME)	(EXTERNAL NAME)
<u>BCOMP</u>	<u>(IN MODEL)</u>
<u>BOUT</u>	<u>(IN MODEL)</u>
<u>BUILD</u>	<u>(IN MODEL)</u>
<u>CPRINT</u>	<u>(IN MODEL)</u>
<u>DISPCL</u>	<u>DISPCL</u>
<u>FPRINT</u>	<u>(IN MODEL)</u>
<u>HEADER</u>	<u>(IN MODEL)</u>
<u>MCOPP</u>	<u>(IN MODEL)</u>
<u>MDIST</u>	<u>(IN MODEL)</u>
<u>MGDIST</u>	<u>(IN MODEL)</u>
<u>MSETUP</u>	<u>(IN MODEL)</u>
<u>MSRCAT</u>	<u>(IN MODEL)</u>
<u>RPRINT</u>	<u>(IN MODEL)</u>
<u>SPRINT</u>	<u>(IN MODEL)</u>
<u>ZD3</u>	<u>(IN MODEL)</u>

PURPOSE:

PRODUCE STEADY STATE FORCE PROFILE BASED UPON
USER DEFINED INPUT PARAMETERS AND FORCE DATA. CAN
ALSO BE USED TO BUILD MODEL PARAMETER FILE W/O
RUNNING MODEL.

INPUTS:

(LUN)

- 5 - USER INPUT TO PROMPTS
- 10 - MODEL PARAMETER FILE
- 49 - REMAIN IN GRADE, PROMOTION, GAIN DATA
- 50 - MODEL INFO

OUTPUTS:

(LUN)

- 6/2 - TERMINAL/PRINTER OUTPUT REPORTS
- 11 - UPDATED MODEL PARAMETER FILE
- 46 - FORCE STRUCTURE MODEL OUTPUT BY CATEGORY
AND GRADE

MODULE NAME: REPORT
 EXEC NAME: REPORT
 MAIN PROGRAM NAME: REPORT
 SUBROUTINES CALLED:

(INTERNAL NAME)	(EXTERNAL NAME)
<u>DISPCL</u>	<u>DISPCL</u>
<u>FLOW</u>	<u>(IN REPORT)</u>
<u>HEADER</u>	<u>(IN REPORT)</u>
<u>QTIME</u>	<u>QTIME</u>
<u>REPORT</u>	<u>(IN REPORT)</u>
<u> </u>	<u> </u>
<u> </u>	<u> </u>
<u> </u>	<u> </u>
<u> </u>	<u> </u>
<u> </u>	<u> </u>
<u> </u>	<u> </u>

PURPOSE:

TO PRODUCE SUMMARY AND DETAIL FORCE STRUCTURE
REPORTS OF OUTPUT FROM MODEL.

INPUTS:

(LUN)

- 5 - USER INPUT TO PROMPTS
- 46 - FORCE STRUCTURE OUTPUT FROM MODEL
- 48 - ATTRITION DATA
- 49 - PROMOTION OPPORTUNITY, GAIN DATA

OUTPUTS:

(LUN)

- 6/2 - TERMINAL/PRINTER OUTPUT REPORTS

MODULE NAME: COSTER

EXEC NAME: COSTER

MAIN PROGRAM NAME: COSTER

SUBROUTINES CALLED:

(INTERNAL NAME)	(EXTERNAL NAME)
-------------------	-------------------

<u>DISPCL</u>	<u>DISPCL</u>
<u>LOADC</u>	<u>(IN COSTER)</u>
<u> </u>	<u> </u>
<u> </u>	<u> </u>
<u> </u>	<u> </u>
<u> </u>	<u> </u>
<u> </u>	<u> </u>
<u> </u>	<u> </u>
<u> </u>	<u> </u>
<u> </u>	<u> </u>

PURPOSE:

PRODUCE AGGREGATE AND DETAILED COSTING OF MODEL OUTPUT.

INPUTS:

(LUN)

- 5 - USER RESPONSE TO PROMPTS
- 30 - COST DATA BASE
- 31 - COSTMAP
- 46 - FORCE STRUCTURE OUTPUT FROM MODEL
- 48 - ATTRITION DATA
- 49 - GAIN DATA

OUTPUTS:

(LUN)

6/2 - TERMINAL/PRINTER OUTPUT REPORT

FILE: PROFILE EXEC A
PAGE 001

VM/SP CONVERSATIONAL MONITOR SYSTEM

&CONTROL OFF
TERMINAL LINESIZE 131
GLOBAL TXTLIB FORTMOD1
EXEC QRMCI
SET PF1 IMMED DRIVER
SET PF3 IMMED QRMCREAD
SET PF5 IMMED QRMCMODL
SET PF7 IMMED QRMCRPRT
SET PF9 IMMED QRMCCOST
FILEDEF 6 TERMINAL (LRECL 131 BLKSIZE 132 RECFM F PERM
&EXIT

FILE: DRIVER EXEC A
PAGE 001

VM/SP CONVERSATIONAL MONITOR SYSTEM

&CONTROL OFF
ERASE READER EXEC
ERASE MODEL EXEC
ERASE REPORT EXEC
*ERASE COSTER EXEC
FILEDEF 30 DISK READER EXEC A1
FILEDEF 31 DISK MODEL EXEC A1
FILEDEF 32 DISK REPORT EXEC A1
*FILEDEF 33 DISK COSTER EXEC A1
DRIVER
&BEGTYPE
MODEL SETUP HAS BEEN COMPLETED
PLEASE PRESS THE APPROPRIATE PF KEY TO CONTINUE
PF 3 = DATA FILE REFORMATTING AND VALIDATION
PF 5 = MODEL
PF 7 = MODEL OUTPUT REPORTS (LESS COSTING)
PF 9 = MODEL OUTPUT COSTING
===== G O O D L U C K =====
&END
&EXIT

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2	FILEDEF 6 TERMINAL (RECFM F LRECL 130 BLKSIZE 131 PERM',/,	DRI00470
3	FILEDEF 47 DISK ',A4,A4,1X,A4,A4,' B1')	DRI00480
	WRITE(IOUT,210) OUT(3),OUT(4),OUT(3),OUT(4),OUT(3),OUT(4)	DRI00490
210	FORMAT('FILEDEF 48 DISK ',A4,A4,' LRATES A4',/,	DRI00500
1	FILEDEF 49 DISK ',A4,A4,' GRATES A4',/,	DRI00510
2	FILEDEF 50 DISK ',A4,A4,' INFO A4')	DRI00520
	WRITE(IOUT,220) OUT(3),OUT(4),OUT(5),OUT(6),TYPE(ITY)	DRI00530
220	FORMAT('&BEGSTACK',/,4A4,/,A4,/, 'YES ',/, '1 ',/, '&END',/,	DRI00540
1	'READER',/, 'DET 193',/, 'RELEASE B',/, '&EXIT',/,	DRI00550
2	'-ERREXIT &CONTINUE',/, '&BEGTYPE',/,	DRI00560
3	SOMETHING IS AMISS---PLEASE CONTACT MODEL MANAGER',/,	DRI00570
\$	YOU WERE ATTEMPTING TO REFORMAT YOUR DATA-QREAD ',/,	DRI00580
\$	&END',/, 'DET 193',/, 'RELEASE B',/, '&EXIT')	DRI00590
C		DRI00600
C	*****	DRI00610
C	NOW CREATE THE QRMCMODL EXEC	DRI00620
C	*****	DRI00630
C		DRI00640
	IOUT=31	DRI00650
C		DRI00660
	WRITE(IOUT,300)	DRI00670
300	FORMAT('&CONTROL OFF',/, '&ERROR &GOTO -ERREXIT',/,	DRI00680
1	FILEDEF 2 PRINTER (RECFM FA LRECL 132 BLKSIZE 133 PERM',/,	DRI00690
2	FILEDEF 6 TERMINAL (RECFM F LRECL 130 BLKSIZE 131 PERM')	DRI00700
	WRITE(IOUT,301) OUT(3),OUT(4),OUT(3),OUT(4),OUT(3),OUT(4),	DRI00710
1	OUT(3),OUT(4),OUT(3),OUT(4)	DRI00720
301	FORMAT('FILEDEF 10 DISK ',2A4,' DATA A4',/,	DRI00730
1	FILEDEF 11 DISK ',2A4,' DATA A4',/,	DRI00740
2	FILEDEF 46 DISK ',2A4,' SUBSTRUC A4',/,	DRI00750
3	FILEDEF 49 DISK ',2A4,' GRATES A4',/,	DRI00760
4	FILEDEF 50 DISK ',2A4,' INFO A4',/,	DRI00770
5	MODEL',/, '&EXIT',/, '-ERREXIT &CONTINUE',/,	DRI00780
6	&BEGTYPE',/,	DRI00790
7	ERROR IN RUNNING STATIC MODEL -- CONTACT MODEL MANAGER',/,	DRI00800
8	*****	DRI00810
9	&EXIT')	DRI00820
C		DRI00830
C	*****	DRI00840
C	CREATE QREPORT EXEC	DRI00850
C	*****	DRI00860
C		DRI00870
	IOUT=32	DRI00880
C		DRI00890
	WRITE(IOUT,300)	DRI00900
	WRITE(IOUT,400) OUT(3),OUT(4),OUT(3),OUT(4),OUT(3),OUT(4)	DRI00910
400	FORMAT('FILEDEF 46 DISK ',2A4,' SUBSTRUC A4',/,	DRI00920


```
1        'FILEDEF 48 DISK ',2A4,' LRATES A4',/,  
1        'FILEDEF 49 DISK ',2A4,' GRATES A4',/,  
2 'REPORT',/,'&EXIT',/,'-ERREXIT &CONTINUE',/,  
3 '&BEGTYPE',/,  
4        'ERROR IN RUNNING REPORT PROGRAM',/,  
5 'CONTACT MODEL MANAGER',/,'&END',/,'&EXIT')  
STOP  
END  
SUBROUTINE BLANKS  
COMMON OUT  
INTEGER OUT(20),BLANK  
DATA BLANK/'    '/  
DO 100 I=1,20  
OUT(I)=BLANK  
100 CONTINUE  
RETURN  
END
```

DRI00930
DRI00940
DRI00950
DRI00960
DRI00970
DRI00980
DRI00990
DRI01000
DRI01010
DRI01020
DRI01030
DRI01040
DRI01050
DRI01060
DRI01070
DRI01080
DRI01090

FILE: NEWDRIVE EXEC A
PAGE 001

VM/SP CONVERSATIONAL MONITOR SYSTEM

&CONTROL OFF
&ERROR &GOTO -ERREXIT1
CLRSCRN
&TYPE PROGRAM ASSUMES DATA FILES INITIALLY RESIDE ON QRMC2RAS
&USER = QRMC2JVD
&TYPE ENTER FILENAME EG. DCO04ACL
&READ VARS &FN1
&TYPE ENTER FILETYPE EG. ODELTAX7
&READ VARS &FT1
&TYPE ENTER COSTMAP FILENAME
&READ VARS &CM
&TYPE OFFICER OR ENLISTED RUN? 0 OR E
&READ VARS &G1
&GRADE = 6
&G2 = &SUBSTR &G1 1 1
&IF &G2 NE E &GOTO -OFFICER
&GRADE = 9
-OFFICER
LINK TO &USER 191 193 RR PASS= RPASS
ACCESS 193 B
FILEDEF 2 PRINTER (RECFM FA LRECL 132 BLKSIZE 133 PERM
FILEDEF 6 TERMINAL (RECFM F LRECL 130 BLKSIZE 131 PERM
FILEDEF 47 DISK &FN1 &FT1 B1
FILEDEF 48 DISK &FN1 LRATES A4
FILEDEF 49 DISK &FN1 GRATES A4
FILEDEF 50 DISK &FN1 INFO A4
&STACK &FN1 &FT1
&STACK &GRADE
&STACK NO
READER
DET 193
RELEASE B
&GOTO -MODEL
-ERREXIT1
&TYPE SOMETHING IS AMISS--ERROR OCCURRED IN READER
DET 193
RELEASE B
&EXIT
-MODEL CLRSCRN
&ERROR &GOTO -ERREXIT2
FILEDEF 2 PRINTER (RECFM FA LRECL 132 BLKSIZE 133 PERM
FILEDEF 6 TERMINAL (RECFM F LRECL 130 BLKSIZE 131 PERM
FILEDEF 10 DISK &FN1 DATA A4
FILEDEF 11 DISK &FN1 DATA A4
FILEDEF 46 DISK &FN1 SUBSTRUC A4
FILEDEF 49 DISK &FN1 GRATES A4

```
FILEDEF 50 DISK &FN1 INFO A4
&BEGSTACK
YES
NO
NO
NO
YES
1
NO
NO
&END
MODELL
&GOTO -REPORT
-ERREXIT2
  &TYPE ERROR IN MODEL MODULE -- CONTACT MODEL MANAGER
  &EXIT
-REPORT CLRSCRN
  &ERROR &GOTO -ERREXIT3
FILEDEF 2 PRINTER (RECFM FA LRECL 132 BLKSIZE 133 PERM
FILEDEF 6 TERMINAL (RECFM F LRECL 130 BLKSIZE 131 PERM
FILEDEF 46 DISK &FN1 SUBSTRUC A4
FILEDEF 48 DISK &FN1 LRATES A4
FILEDEF 49 DISK &FN1 GRATES A4
&STACK 2
&STACK 1
REPORT
&GOTO -COST
-ERREXIT3
  &TYPE ERROR IN RUNNING REPORT PROGRAM CONTACT MODEL MANAGER
  &EXIT
-COST CLRSCRN
LINK TO QRMCSRH2 191 199 RR RPASS
ACCESS 199 H
LINK TO QRM2JVD 191 198 RR RPASS
ACCESS 198 G
&ERROR &GOTO -ERREXIT4
FILEDEF 2 PRINTER (RECFM FA LRECL 132 BLKSIZE 133 PERM
FILEDEF 6 TERMINAL (RECFM F LRECL 130 BLKSIZE 131 PERM
FILEDEF 46 DISK &FN1 SUBSTRUC A4
FILEDEF 48 DISK &FN1 LRATES A4
FILEDEF 49 DISK &FN1 GRATES A4
FILEDEF 30 DISK COST DATABASE H1 ( XTENT 54001
FILEDEF 31 DISK &CM COSTMAP G1 ( RECFM F LRECL 132 BLKSIZE 132
&TYPE PLEASE    STANDBY - PROGRAM CRUNCHING DATA
&STACK 0
&STACK 99
```

FILE: NEWDRIVE EXEC A
PAGE 003

VM/SP CONVERSATIONAL MONITOR SYSTEM

COSTER
&GOTO -DONE
-ERREXIT4
 &TYPE ABNORMAL TERMINATION IN COST ROUTINE EXEC
-DONE DET 199
 RELEASE H
 DET 198
 RELEASE G
 &EXIT

H-67

ARMY CURRENT OBJ ENLISTED FORCE -- OCCUPATION CODE 0
NAVY CURRENT (E-1)--E1

YR	STREN	GAINS TO	GAINS OTHER	TRANSFER OTHER	TO CAT	XFER OFF	TO PGM	REMAIN GRADE	PRO OUT
01	00000.	00000.	00000.	00000.	0.0000	00000.	0.0000	0.0000	0.0000
02	00000.	00000.	00000.	00000.	0.0000	00000.	0.0000	0.0000	0.0000
03	00000.	00000.	00000.	00000.	0.0000	00000.	0.0000	0.0000	0.0000
04	00000.	00000.	00000.	00000.	0.0000	00000.	0.0000	0.0000	0.0000
05	00000.	00000.	00000.	00000.	0.0000	00000.	0.0000	0.0000	0.0000
06	00000.	00000.	00000.	00000.	0.0000	00000.	0.0000	0.0000	0.0000
07	00000.	00000.	00000.	00000.	0.0000	00000.	0.0000	0.0000	0.0000
08	00000.	00000.	00000.	00000.	0.0000	00000.	0.0000	0.0000	0.0000
09	00000.	00000.	00000.	00000.	0.0000	00000.	0.0000	0.0000	0.0000
10	00000.	00000.	00000.	00000.	0.0000	00000.	0.0000	0.0000	0.0000
11	00000.	00000.	00000.	00000.	0.0000	00000.	0.0000	0.0000	0.0000
12	00000.	00000.	00000.	00000.	0.0000	00000.	0.0000	0.0000	0.0000
13	00000.	00000.	00000.	00000.	0.0000	00000.	0.0000	0.0000	0.0000
14	00000.	00000.	00000.	00000.	0.0000	00000.	0.0000	0.0000	0.0000
15	00000.	00000.	00000.	00000.	0.0000	00000.	0.0000	0.0000	0.0000
16	00000.	00000.	00000.	00000.	0.0000	00000.	0.0000	0.0000	0.0000
17	00000.	00000.	00000.	00000.	0.0000	00000.	0.0000	0.0000	0.0000
18	00000.	00000.	00000.	00000.	0.0000	00000.	0.0000	0.0000	0.0000
19	00000.	00000.	00000.	00000.	0.0000	00000.	0.0000	0.0000	0.0000
20	00000.	00000.	00000.	00000.	0.0000	00000.	0.0000	0.0000	0.0000
21	00000.	00000.	00000.	00000.	0.0000	00000.	0.0000	0.0000	0.0000
22	00000.	00000.	00000.	00000.	0.0000	00000.	0.0000	0.0000	0.0000
23	00000.	00000.	00000.	00000.	0.0000	00000.	0.0000	0.0000	0.0000
24	00000.	00000.	00000.	00000.	0.0000	00000.	0.0000	0.0000	0.0000
25	00000.	00000.	00000.	00000.	0.0000	00000.	0.0000	0.0000	0.0000
26	00000.	00000.	00000.	00000.	0.0000	00000.	0.0000	0.0000	0.0000
27	00000.	00000.	00000.	00000.	0.0000	00000.	0.0000	0.0000	0.0000
28	00000.	00000.	00000.	00000.	0.0000	00000.	0.0000	0.0000	0.0000
29	00000.	00000.	00000.	00000.	0.0000	00000.	0.0000	0.0000	0.0000
30	00000.	00000.	00000.	00000.	0.0000	00000.	0.0000	0.0000	0.0000
31	00000.	00000.	00000.	00000.	0.0000	00000.	0.0000	0.0000	0.0000
32	00000.	00000.	00000.	00000.	0.0000	00000.	0.0000	0.0000	0.0000
33	00000.	00000.	00000.	00000.	0.0000	00000.	0.0000	0.0000	0.0000
34	00000.	00000.	00000.	00000.	0.0000	00000.	0.0000	0.0000	0.0000
35	00000.	00000.	00000.	00000.	0.0000	00000.	0.0000	0.0000	0.0000
|<-ATTRITION - RETIREMENT->|<-- ATTRITION - OTHER -->|									
YR	DEATH	DISA- BILITY	FORCE CONTRL	VOLUN- TARY	INVOL- UNTARY	DISA- BILITY	FORCE CONTRL	VOLUN- TARY	INVOL- UNTARY
01	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
04	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

FILE: ACE09CAT CURRENT A
PAGE 002

VM/SP CONVERSATIONAL MONITOR SYSTEM

05	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
06	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
07	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
08	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
09	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
10	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
11	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
12	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
13	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
14	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
15	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
16	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
17	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
18	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
19	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
20	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
21	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
22	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
23	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
24	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
25	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
26	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
27	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
28	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
29	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
30	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
31	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
32	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
33	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
34	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
35	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

NAVY CURRENT (E-2)-- E2

YR	STREN	GAINS TO	GAINS OTHER	TRANSFER TO OTHER	CAT	XFER OFF	TO PGM	REMAIN GRADE	PRO OUT
01	00000.	00000.	00000.	00000.	0.0000	00000.	0.0000	0.0000	0.0000
02	00000.	00000.	00000.	00000.	0.0000	00000.	0.0000	0.0000	0.0000
03	00000.	00000.	00000.	00000.	0.0000	00000.	0.0000	0.0000	0.0000
04	00000.	00000.	00000.	00000.	0.0000	00000.	0.0000	0.0000	0.0000
05	00000.	00000.	00000.	00000.	0.0000	00000.	0.0000	0.0000	0.0000
06	00000.	00000.	00000.	00000.	0.0000	00000.	0.0000	0.0000	0.0000
07	00000.	00000.	00000.	00000.	0.0000	00000.	0.0000	0.0000	0.0000
08	00000.	00000.	00000.	00000.	0.0000	00000.	0.0000	0.0000	0.0000
09	00000.	00000.	00000.	00000.	0.0000	00000.	0.0000	0.0000	0.0000
10	00000.	00000.	00000.	00000.	0.0000	00000.	0.0000	0.0000	0.0000
11	00000.	00000.	00000.	00000.	0.0000	00000.	0.0000	0.0000	0.0000
12	00000.	00000.	00000.	00000.	0.0000	00000.	0.0000	0.0000	0.0000

13	00000.	00000.	00000.	00000.	0.0000	00000.	0.0000	0.0000	0.0000
14	00000.	00000.	00000.	00000.	0.0000	00000.	0.0000	0.0000	0.0000
15	00000.	00000.	00000.	00000.	0.0000	00000.	0.0000	0.0000	0.0000
16	00000.	00000.	00000.	00000.	0.0000	00000.	0.0000	0.0000	0.0000
17	00000.	00000.	00000.	00000.	0.0000	00000.	0.0000	0.0000	0.0000
18	00000.	00000.	00000.	00000.	0.0000	00000.	0.0000	0.0000	0.0000
19	00000.	00000.	00000.	00000.	0.0000	00000.	0.0000	0.0000	0.0000
20	00000.	00000.	00000.	00000.	0.0000	00000.	0.0000	0.0000	0.0000
21	00000.	00000.	00000.	00000.	0.0000	00000.	0.0000	0.0000	0.0000
22	00000.	00000.	00000.	00000.	0.0000	00000.	0.0000	0.0000	0.0000
23	00000.	00000.	00000.	00000.	0.0000	00000.	0.0000	0.0000	0.0000
24	00000.	00000.	00000.	00000.	0.0000	00000.	0.0000	0.0000	0.0000
25	00000.	00000.	00000.	00000.	0.0000	00000.	0.0000	0.0000	0.0000
26	00000.	00000.	00000.	00000.	0.0000	00000.	0.0000	0.0000	0.0000
27	00000.	00000.	00000.	00000.	0.0000	00000.	0.0000	0.0000	0.0000
28	00000.	00000.	00000.	00000.	0.0000	00000.	0.0000	0.0000	0.0000
29	00000.	00000.	00000.	00000.	0.0000	00000.	0.0000	0.0000	0.0000
30	00000.	00000.	00000.	00000.	0.0000	00000.	0.0000	0.0000	0.0000
31	00000.	00000.	00000.	00000.	0.0000	00000.	0.0000	0.0000	0.0000
32	00000.	00000.	00000.	00000.	0.0000	00000.	0.0000	0.0000	0.0000
33	00000.	00000.	00000.	00000.	0.0000	00000.	0.0000	0.0000	0.0000
34	00000.	00000.	00000.	00000.	0.0000	00000.	0.0000	0.0000	0.0000
35	00000.	00000.	00000.	00000.	0.0000	00000.	0.0000	0.0000	0.0000

	|<-ATTRITION - RETIREMENT->|<-- ATTRITION - OTHER -->|							
	DISA-	FORCE	VOLUN-	INVOL-	DISA-	FORCE	VOLUN-	INVOL-
YR DEATH	BILITY	CONTRL	TARY	UNTARY	BILITY	CONTRL	TARY	UNTARY
01	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
04	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
05	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
06	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
07	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
08	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
09	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
10	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
11	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
12	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
13	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
14	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
15	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
16	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
17	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
18	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
19	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
20	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

21	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
22	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
23	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
24	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
25	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
26	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
27	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
28	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
29	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
30	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
31	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
32	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
33	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
34	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
35	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

ARMY CURRENT FORCE (E-3)--A2 OXHE3

YR	STREN	GAINS TO	GAINS OTHER	TRANSFER TO OTHER	CAT	XFER OFF	TO PGM	REMAIN GRADE	PRO OUT
1	34860.	34860.	0.	0.	0.0	10.	0.0003	0.5342	0.3360
2	18728.	105.	0.	0.	0.0	52.	0.0028	0.3318	0.5830
3	6405.	190.	0.	0.	0.0	0.	0.0	0.1861	0.1806
4	1575.	382.	0.	0.	0.0	3.	0.0019	0.0	0.0
5	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
6	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
7	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
8	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
9	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
10	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
11	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
12	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
13	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
14	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
15	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
16	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
17	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
18	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
19	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
20	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
21	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
22	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
23	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
24	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
25	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
26	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
27	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
28	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0

|<-ATTRITION - RETIREMENT->|<-- ATTRITION - OTHER -->|								
YR DEATH	DISA- BILITY	FORCE CONTRL	VOLUN- TARY	INVOL- UNTARY	DISA- BILITY	FORCE CONTRL	VOLUN- TARY	INVOL- UNTARY
29	0.	0.	0.	0. 0.0	0. 0.0	0.0	0.0	0.0
30	0.	0.	0.	0. 0.0	0. 0.0	0.0	0.0	0.0
31	0.	0.	0.	0. 0.0	0. 0.0	0.0	0.0	0.0
32	0.	0.	0.	0. 0.0	0. 0.0	0.0	0.0	0.0
33	0.	0.	0.	0. 0.0	0. 0.0	0.0	0.0	0.0
34	0.	0.	0.	0. 0.0	0. 0.0	0.0	0.0	0.0
35	0.	0.	0.	0. 0.0	0. 0.0	0.0	0.0	0.0
1	0.0005	0.0009	0.0	0.0	0.0066	0.0012	0.0026	0.1177
2	0.0005	0.0010	0.0	0.0	0.0013	0.0001	0.0035	0.0760
3	0.0036	0.0066	0.0	0.0	0.0030	0.0005	0.1023	0.5173
4	0.0006	0.0032	0.0	0.0	0.0025	0.9918	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
33	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

ARMY CURRENT FORCE (E-4)--A2 OXXE4

YR	STREN	GAINS TO	GAINS OTHER	TRANSFER TO OTHER	CAT	XFER OFF	TO PGM	REMAIN GRADE	PRO OUT
1	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
2	11719.	5.	0.	0.	0.0	8.	0.0007	0.8657	0.0620
3	21124.	59.	0.	0.	0.0	5.	0.0002	0.3719	0.0964
4	9296.	284.	0.	0.	0.0	4.	0.0004	0.2547	0.4074
5	2368.	0.	0.	0.	0.0	1.	0.0004	0.5464	0.3328
6	1294.	0.	0.	0.	0.0	3.	0.0023	0.7157	0.1414
7	926.	0.	0.	0.	0.0	0.	0.0	0.7450	0.1210
8	690.	0.	0.	0.	0.0	0.	0.0	0.7552	0.0884
9	521.	0.	0.	0.	0.0	0.	0.0	0.8177	0.0384
10	426.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
11	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
12	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
13	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
14	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
15	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
16	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
17	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
18	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
19	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
20	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
21	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
22	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
23	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
24	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
25	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
26	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
27	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
28	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
29	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
30	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
31	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
32	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
33	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
34	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
35	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0

|<-ATTRITION - RETIREMENT->|<-- ATTRITION - OTHER -->|									
YR	DEATH	DISA- BILITY	FORCE CONTRL	VOLUN- TARY	INVOL- UNTARY	DISA- BILITY	FORCE CONTRL	VOLUN- TARY	INVOL- UNTARY
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0032	0.0023	0.0	0.0	0.0	0.0020	0.0	0.0340	0.0301
3	0.0060	0.0071	0.0	0.0	0.0	0.0043	0.0	0.3555	0.1586
4	0.0012	0.0012	0.0	0.0	0.0	0.0008	0.0002	0.3057	0.0284
5	0.0004	0.0013	0.0	0.0	0.0	0.0004	0.0	0.1035	0.0148
6	0.0008	0.0031	0.0	0.0	0.0	0.0015	0.0015	0.0595	0.0742

7	0.0	0.0022	0.0	0.0	0.0	0.0	0.0	0.0940	0.0378
8	0.0	0.0043	0.0	0.0	0.0	0.0014	0.0	0.1000	0.0507
9	0.0	0.0038	0.0	0.0	0.0	0.0019	0.0	0.1056	0.0326
10	0.0	0.0	0.0	0.0	0.0	0.0	1.0000	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
33	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

ARMY CURRENT FORCE (E-5)--A2 OXXE5

YR	STREN	GAINS TO	GAINS OTHER	TRANSFER TO OTHER	CAT	XFER OFF	TO PGM	REMAIN GRADE	PRO OUT
1	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
2	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
3	731.	4.	0.	0.	0.0	1.	0.0014	0.4705	0.0
4	2437.	57.	0.	0.	0.0	5.	0.0021	0.6709	0.0
5	5506.	84.	0.	0.	0.0	16.	0.0029	0.8579	0.0218
6	5514.	2.	0.	0.	0.0	6.	0.0011	0.8202	0.0384
7	4707.	2.	0.	0.	0.0	0.	0.0	0.4264	0.4502
8	2129.	10.	0.	0.	0.0	2.	0.0009	0.4810	0.3753
9	1094.	9.	0.	0.	0.0	0.	0.0	0.6115	0.2578
10	697.	8.	0.	0.	0.0	0.	0.0	0.6657	0.2640
11	464.	0.	0.	0.	0.0	0.	0.0	0.7521	0.1616
12	349.	0.	0.	0.	0.0	0.	0.0	0.7679	0.1547
13	268.	0.	0.	0.	0.0	0.	0.0	0.9291	0.0
14	249.	0.	0.	0.	0.0	0.	0.0	0.9559	0.0040

15	238.	0.	0.	0. 0.0	0. 0.0	0.9916	0.0
16	236.	0.	0.	0. 0.0	0. 0.0	0.9491	0.0297
17	224.	0.	0.	0. 0.0	0. 0.0	0.9688	0.0223
18	217.	0.	0.	0. 0.0	0. 0.0	0.9632	0.0276
19	209.	0.	0.	0. 0.0	0. 0.0	0.9665	0.0239
20	202.	0.	0.	0. 0.0	0. 0.0	0.6089	0.0297
21	123.	0.	0.	0. 0.0	0. 0.0	0.0	0.0
22	0.	0.	0.	0. 0.0	0. 0.0	0.0	0.0
23	0.	0.	0.	0. 0.0	0. 0.0	0.0	0.0
24	0.	0.	0.	0. 0.0	0. 0.0	0.0	0.0
25	0.	0.	0.	0. 0.0	0. 0.0	0.0	0.0
26	0.	0.	0.	0. 0.0	0. 0.0	0.0	0.0
27	0.	0.	0.	0. 0.0	0. 0.0	0.0	0.0
28	0.	0.	0.	0. 0.0	0. 0.0	0.0	0.0
29	0.	0.	0.	0. 0.0	0. 0.0	0.0	0.0
30	0.	0.	0.	0. 0.0	0. 0.0	0.0	0.0
31	0.	0.	0.	0. 0.0	0. 0.0	0.0	0.0
32	0.	0.	0.	0. 0.0	0. 0.0	0.0	0.0
33	0.	0.	0.	0. 0.0	0. 0.0	0.0	0.0
34	0.	0.	0.	0. 0.0	0. 0.0	0.0	0.0
35	0.	0.	0.	0. 0.0	0. 0.0	0.0	0.0

YR	DEATH	|<-ATTRITION - RETIREMENT->|<-- ATTRITION - OTHER -->|						
		DISA- BILITY	FORCE CONTRL	VOLUN- TARY	INVOL- UNTARY	DISA- BILITY	FORCE CONTRL	VOLUN- TARY	INVOL- UNTARY
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0096	0.0	0.0	0.0	0.0	0.0	0.4911	0.0274
4	0.0008	0.0012	0.0	0.0	0.0008	0.0	0.3082	0.0160
5	0.0004	0.0004	0.0	0.0	0.0004	0.0	0.1093	0.0069
6	0.0036	0.0058	0.0	0.0	0.0025	0.0005	0.0807	0.0472
7	0.0002	0.0006	0.0	0.0	0.0006	0.0002	0.1035	0.0183
8	0.0019	0.0033	0.0	0.0	0.0033	0.0	0.0991	0.0352
9	0.0009	0.0027	0.0	0.0	0.0	0.0009	0.0960	0.0302
10	0.0014	0.0029	0.0	0.0	0.0014	0.0	0.0459	0.0187
11	0.0022	0.0022	0.0	0.0	0.0022	0.0	0.0560	0.0237
12	0.0	0.0029	0.0	0.0	0.0029	0.0	0.0573	0.0143
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0522	0.0187
14	0.0	0.0	0.0	0.0	0.0	0.0040	0.0281	0.0080
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0042	0.0042
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0127	0.0085
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0089	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0092	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0096	0.0
20	0.0	0.0	0.0	0.3614	0.0	0.0	0.0	0.0
21	0.0	0.0	1.0000	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
33	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

ARMY CURRENT FORCE (E-6)--A2 OXxE6

YR	STREN	GAINS TO	GAINS OTHER	TRANSFER TO OTHER	CAT	XFER OFF	TO PGM	REMAIN GRADE	PRO OUT
1	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
2	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
3	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
4	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
5	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
6	120.	0.	0.	0.	0.0	7.	0.0583	0.8583	0.0
7	315.	0.	0.	0.	0.0	7.	0.0222	0.8287	0.0476
8	2380.	0.	0.	0.	0.0	13.	0.0055	0.8545	0.0013
9	2833.	0.	0.	0.	0.0	13.	0.0046	0.8651	0.0053
10	2734.	1.	0.	0.	0.0	9.	0.0033	0.9218	0.0084
11	2704.	0.	0.	0.	0.0	3.	0.0011	0.8189	0.0958
12	2289.	0.	0.	0.	0.0	0.	0.0	0.8307	0.0926
13	1955.	0.	0.	0.	0.0	0.	0.0	0.5919	0.3289
14	1158.	1.	0.	0.	0.0	0.	0.0	0.6995	0.2634
15	812.	1.	0.	0.	0.0	0.	0.0	0.7205	0.2463
16	586.	1.	0.	0.	0.0	0.	0.0	0.7816	0.1980
17	465.	0.	0.	0.	0.0	0.	0.0	0.8687	0.1204
18	409.	0.	0.	0.	0.0	0.	0.0	0.9096	0.0782
19	378.	0.	0.	0.	0.0	0.	0.0	0.9233	0.0661
20	354.	0.	0.	0.	0.0	0.	0.0	0.5989	0.0424
21	218.	0.	0.	0.	0.0	0.	0.0	0.6789	0.0367
22	148.	0.	0.	0.	0.0	0.	0.0	0.7298	0.0270
23	108.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
24	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
25	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
26	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
27	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
28	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
29	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
30	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0

YR DEATH	DISA- BILITY	FORCE CONTRL	VOLUN- TARY	INVOL- UNTARY	DISA- BILITY	FORCE CONTRL	VOLUN- TARY	INVOL- UNTARY
31	0.	0.	0.	0. 0.0	0. 0.0	0.0	0.0	0.0
32	0.	0.	0.	0. 0.0	0. 0.0	0.0	0.0	0.0
33	0.	0.	0.	0. 0.0	0. 0.0	0.0	0.0	0.0
34	0.	0.	0.	0. 0.0	0. 0.0	0.0	0.0	0.0
35	0.	0.	0.	0. 0.0	0. 0.0	0.0	0.0	0.0
|<-ATTRITION - RETIREMENT->|<-- ATTRITION - OTHER -->|								
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0167	0.0	0.0	0.0	0.0	0.0	0.0417	0.0250
7	0.0063	0.0032	0.0	0.0	0.0	0.0	0.0825	0.0095
8	0.0	0.0013	0.0	0.0	0.0013	0.0013	0.1235	0.0113
9	0.0014	0.0039	0.0	0.0	0.0025	0.0	0.1059	0.0113
10	0.0018	0.0011	0.0	0.0	0.0007	0.0	0.0475	0.0154
11	0.0059	0.0044	0.0	0.0	0.0007	0.0026	0.0540	0.0166
12	0.0017	0.0048	0.0	0.0	0.0	0.0017	0.0585	0.0100
13	0.0	0.0051	0.0	0.0	0.0	0.0	0.0593	0.0148
14	0.0017	0.0026	0.0	0.0	0.0	0.0017	0.0233	0.0078
15	0.0049	0.0012	0.0	0.0	0.0012	0.0025	0.0123	0.0111
16	0.0	0.0	0.0	0.0	0.0034	0.0	0.0085	0.0085
17	0.0	0.0022	0.0	0.0	0.0	0.0043	0.0022	0.0022
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0098	0.0024
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0106	0.0
20	0.0	0.0169	0.0	0.3418	0.0	0.0	0.0	0.0
21	0.0	0.0138	0.0	0.2706	0.0	0.0	0.0	0.0
22	0.0	0.0135	0.0	0.2297	0.0	0.0	0.0	0.0
23	0.0	0.0	1.0000	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
33	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

ARMY CURRENT FORCE (E-7)--A2 OXXE7

YR STREN	GAINS TO	GAINS OTHER	TRANSFER TO OTHER	CAT	XFER OFF	TO PGM	REMAIN GRADE	PRO OUT
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1	0.	0.	0.	0. 0.0	0. 0.0	0.0	0.0
2	0.	0.	0.	0. 0.0	0. 0.0	0.0	0.0
3	0.	0.	0.	0. 0.0	0. 0.0	0.0	0.0
4	0.	0.	0.	0. 0.0	0. 0.0	0.0	0.0
5	0.	0.	0.	0. 0.0	0. 0.0	0.0	0.0
6	0.	0.	0.	0. 0.0	0. 0.0	0.0	0.0
7	0.	0.	0.	0. 0.0	0. 0.0	0.0	0.0
8	15.	0.	0.	0. 0.0	0. 0.0	0.8667	0.0
9	16.	0.	0.	0. 0.0	0. 0.0	0.8750	0.0
10	29.	0.	0.	0. 0.0	2. 0.0690	0.9310	0.0
11	50.	0.	0.	0. 0.0	4. 0.0800	0.6800	0.2400
12	293.	0.	0.	0. 0.0	4. 0.0137	0.8976	0.0273
13	475.	0.	0.	0. 0.0	4. 0.0084	0.8989	0.0211
14	1070.	0.	0.	0. 0.0	3. 0.0028	0.9440	0.0196
15	1315.	0.	0.	0. 0.0	2. 0.0015	0.9384	0.0350
16	1434.	0.	0.	0. 0.0	0. 0.0	0.8946	0.0865
17	1400.	1.	0.	0. 0.0	0. 0.0	0.8751	0.1136
18	1281.	0.	0.	0. 0.0	0. 0.0	0.7276	0.2615
19	964.	0.	0.	0. 0.0	0. 0.0	0.7520	0.2376
20	750.	0.	0.	0. 0.0	0. 0.0	0.2973	0.3427
21	238.	0.	0.	0. 0.0	0. 0.0	0.2311	0.4832
22	63.	0.	0.	0. 0.0	0. 0.0	0.5556	0.2063
23	39.	0.	0.	0. 0.0	0. 0.0	0.5898	0.2051
24	23.	0.	0.	0. 0.0	0. 0.0	0.5218	0.1739
25	12.	0.	0.	0. 0.0	0. 0.0	0.7500	0.1667
26	9.	0.	0.	0. 0.0	0. 0.0	0.0	0.0
27	0.	0.	0.	0. 0.0	0. 0.0	0.0	0.0
28	0.	0.	0.	0. 0.0	0. 0.0	0.0	0.0
29	0.	0.	0.	0. 0.0	0. 0.0	0.0	0.0
30	0.	0.	0.	0. 0.0	0. 0.0	0.0	0.0
31	0.	0.	0.	0. 0.0	0. 0.0	0.0	0.0
32	0.	0.	0.	0. 0.0	0. 0.0	0.0	0.0
33	0.	0.	0.	0. 0.0	0. 0.0	0.0	0.0
34	0.	0.	0.	0. 0.0	0. 0.0	0.0	0.0
35	0.	0.	0.	0. 0.0	0. 0.0	0.0	0.0

|<-ATTRITION - RETIREMENT->|<-- ATTRITION - OTHER -->|

YR DEATH	DISA- BILITY	FORCE CONTRL	VOLUN- TARY	INVOL- UNTARY	DISA- BILITY	FORCE CONTRL	VOLUN- TARY	INVOL- UNTARY
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.1333	0.0

9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1250	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0102	0.0	0.0	0.0	0.0	0.0034	0.0	0.0307	0.0171
13	0.0	0.0105	0.0	0.0	0.0	0.0	0.0	0.0611	0.0
14	0.0	0.0084	0.0	0.0	0.0	0.0	0.0	0.0168	0.0084
15	0.0038	0.0038	0.0	0.0	0.0	0.0	0.0023	0.0129	0.0023
16	0.0070	0.0049	0.0	0.0	0.0	0.0	0.0	0.0070	0.0
17	0.0	0.0071	0.0	0.0	0.0	0.0	0.0014	0.0014	0.0014
18	0.0008	0.0023	0.0	0.0	0.0	0.0	0.0031	0.0047	0.0
19	0.0021	0.0041	0.0	0.0	0.0	0.0	0.0	0.0021	0.0021
20	0.0	0.0080	0.0	0.3520	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0042	0.0	0.2815	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.2381	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.2051	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.3043	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0833	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	1.0000	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
33	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

ARMY CURRENT FORCE (E-8)--A2 OXHE

YR	STREN	GAINS TO	GAINS OTHER	TRANSFER TO OTHER	CAT	XFER OFF	TO PGM	REMAIN GRADE	PRO OUT
1	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
2	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
3	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
4	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
5	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
6	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
7	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
8	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
9	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
10	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
11	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
12	12.	0.	0.	0.	0.0	0.	0.0	0.9167	0.0
13	19.	0.	0.	0.	0.0	0.	0.0	0.9474	0.0
14	28.	0.	0.	0.	0.0	0.	0.0	0.9643	0.0
15	48.	0.	0.	0.	0.0	0.	0.0	0.9792	0.0
16	93.	0.	0.	0.	0.0	0.	0.0	0.9462	0.0323

17	212.	0.	0.	0. 0.0	0. 0.0	0.9859	0.0047
18	368.	0.	0.	0. 0.0	0. 0.0	0.9782	0.0100
19	695.	0.	0.	0. 0.0	0. 0.0	0.9755	0.0144
20	907.	0.	0.	0. 0.0	0. 0.0	0.6263	0.0132
21	825.	0.	0.	0. 0.0	0. 0.0	0.6776	0.0376
22	674.	0.	0.	0. 0.0	0. 0.0	0.6869	0.0727
23	476.	0.	0.	0. 0.0	0. 0.0	0.5273	0.2731
24	259.	0.	0.	0. 0.0	0. 0.0	0.4092	0.2819
25	110.	0.	0.	0. 0.0	0. 0.0	0.6636	0.2182
26	75.	0.	0.	0. 0.0	0. 0.0	0.5067	0.2933
27	38.	0.	0.	0. 0.0	0. 0.0	0.3947	0.3421
28	15.	0.	0.	0. 0.0	0. 0.0	0.7333	0.0
29	11.	0.	0.	0. 0.0	0. 0.0	0.8182	0.0
30	9.	0.	0.	0. 0.0	0. 0.0	0.0	0.0
31	0.	0.	0.	0. 0.0	0. 0.0	0.0	0.0
32	0.	0.	0.	0. 0.0	0. 0.0	0.0	0.0
33	0.	0.	0.	0. 0.0	0. 0.0	0.0	0.0
34	0.	0.	0.	0. 0.0	0. 0.0	0.0	0.0
35	0.	0.	0.	0. 0.0	0. 0.0	0.0	0.0

		|<-ATTRITION - RETIREMENT->|<-- ATTRITION - OTHER -->|							
YR	DEATH	DISA- BILITY	FORCE CONTRL	VOLUN- TARY	INVOL- UNTARY	DISA- BILITY	FORCE CONTRL	VOLUN- TARY	INVOL- UNTARY
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0833	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0526	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0357	0.0
15	0.0	0.0208	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0215	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0094	0.0
18	0.0	0.0109	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0043	0.0	0.0	0.0	0.0058	0.0	0.0	0.0
20	0.0	0.0132	0.0	0.3473	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0109	0.0	0.2739	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0089	0.0	0.2315	0.0	0.0	0.0	0.0	0.0
23	0.0021	0.0084	0.0	0.1891	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0116	0.0	0.2973	0.0	0.0	0.0	0.0	0.0

25	0.0	0.0091	0.0	0.1091	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0267	0.0	0.1733	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.2632	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.2667	0.0	0.0	0.0	0.0	0.0
29	0.0	0.0	0.0	0.1818	0.0	0.0	0.0	0.0	0.0
30	0.0	0.0	1.0000	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
33	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

ARMY CURRENT FORCE (E-9)--A2 OXHE9

YR	STREN	GAINS TO	GAINS OTHER	TRANSFER TO OTHER	CAT	XFER OFF	TO PGM	REMAIN GRADE	PRO OUT
1	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
2	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
3	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
4	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
5	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
6	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
7	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
8	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
9	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
10	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
11	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
12	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
13	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
14	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
15	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
16	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
17	3.	0.	0.	0.	0.0	0.	0.0	1.0000	0.0
18	4.	0.	0.	0.	0.0	0.	0.0	1.0000	0.0
19	8.	0.	0.	0.	0.0	0.	0.0	1.0000	0.0
20	18.	0.	0.	0.	0.0	0.	0.0	0.6667	0.0
21	24.	0.	0.	0.	0.0	0.	0.0	0.7083	0.0
22	48.	0.	0.	0.	0.0	0.	0.0	0.7500	0.0
23	85.	0.	0.	0.	0.0	0.	0.0	0.8000	0.0
24	198.	0.	0.	0.	0.0	0.	0.0	0.6919	0.0
25	210.	0.	0.	0.	0.0	0.	0.0	0.8857	0.0
26	210.	0.	0.	0.	0.0	0.	0.0	0.7952	0.0
27	189.	0.	0.	0.	0.0	0.	0.0	0.7407	0.0
28	153.	0.	0.	0.	0.0	0.	0.0	0.7582	0.0
29	116.	0.	0.	0.	0.0	0.	0.0	0.6983	0.0
30	81.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
31	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
32	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0

					|<-ATTRITION - RETIREMENT->|<-- ATTRITION - OTHER -->|				
YR DEATH	DISA- BILITY	FORCE CONTRL	VOLUN- TARY	INVOL- UNTARY	DISA- BILITY	FORCE CONTRL	VOLUN- TARY	INVOL- UNTARY	
33	0.	0.	0.	0. 0.0	0. 0.0	0.0	0.0	0.0	
34	0.	0.	0.	0. 0.0	0. 0.0	0.0	0.0	0.0	
35	0.	0.	0.	0. 0.0	0. 0.0	0.0	0.0	0.0	
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
20	0.0	0.0	0.3333	0.0	0.0	0.0	0.0	0.0	
21	0.0	0.0	0.2917	0.0	0.0	0.0	0.0	0.0	
22	0.0208	0.0	0.2292	0.0	0.0	0.0	0.0	0.0	
23	0.0	0.0	0.2000	0.0	0.0	0.0	0.0	0.0	
24	0.0	0.0	0.3081	0.0	0.0	0.0	0.0	0.0	
25	0.0	0.0095	0.1048	0.0	0.0	0.0	0.0	0.0	
26	0.0	0.0	0.2048	0.0	0.0	0.0	0.0	0.0	
27	0.0	0.0	0.2593	0.0	0.0	0.0	0.0	0.0	
28	0.0	0.0	0.2418	0.0	0.0	0.0	0.0	0.0	
29	0.0	0.0	0.3017	0.0	0.0	0.0	0.0	0.0	
30	0.0123	0.0494	0.9383	0.0	0.0	0.0	0.0	0.0	
31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
32	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
33	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
34	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
35	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

FILE: READER EXEC A
PAGE 001

VM/SP CONVERSATIONAL MONITOR SYSTEM

&CONTROL OFF
&ERROR &GOTO -ERREXIT
LINK TO QRMC1NAM 191 193 RR PASS= RPASS
ACCESS 193 B
FILEDEF 2 PRINTER (RECFM FA LRECL 132 BLKSIZE 133 PERM
FILEDEF 6 TERMINAL (RECFM F LRECL 130 BLKSIZE 131 PERM
FILEDEF 47 DISK DCE00XX OCCDATA B1
FILEDEF 48 DISK DCE00XX LRATES A4
FILEDEF 49 DISK DCE00XX GRATES A4
FILEDEF 50 DISK DCE00XX INFO A4
&BEGSTACK
DCE00XX OCCDATA
9
YES
1
&END
READER
DET 193
RELEASE B
&EXIT
-ERREXIT
&TYPE SOMETHING IS AMISS IN READER - CONTACT MODEL MANAGER
DET 193
RELEASE B
&EXIT

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CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC
C
C      READS A FORCE FILE AND WRITES TO UNIT 48,49,AND 50
C      IN UNFORMATTED MODE
CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC
COMMON FILE(35,19,10),T1(65),T2(65)
DIMENSION L1(130),L2(189)
DIMENSION GAINS(35,15,10,2),PROMOT(35,15,10),REMGRD(35,15,10),
1      ATTRIT(35,10,12),NAMFIL(2),NAMTYP(2)
C
CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC
C
C      EXPECTED INPUT FORMAT FROM UNIT 47
C
C      FILE(*,1,*)= YEAR          FILE(*,2,*)= STRENGTH
C      FILE(*,3,*)= GAINS TO      FILE(*,4,*)= GAINS OTHER
C      FILE(*,5,*)= XFER OTHER CAT FILE(*,6,*)= XFER OTHER CAT(RATE)
C      FILE(*,7,*)= XFER OFF      FILE(*,8,*)= XFER OFF (RATE)
C      FILE(*,9,*)= REM IN GRADE(RATE) FILE(*,10,*)= PROM OUT(RATE)
C      FILE(*,11,*)= DEATH(RATE)  FILE(*,12,*)= ATT RET DIS(RATE)
C      FILE(*,13,*)= ATT RET FC (RATE) FILE(*,14,*)= ATT RET VOL(RATE)
C      FILE(*,15,*)= ATT RET INV(RATE) FILE(*,16,*)= ATT OTH DIS(RATE)
C      FILE(*,17,*)= ATT OTH FC (RATE) FILE(*,18,*)= ATT OTH VOL(RATE)
C      FILE(*,19,*)=ATT OTH INV (RATE)
CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC
C
C      INTEGER YES,NO, IANS
C      DATA YES/'YES'/,NO/'NO'/
C
C      INFILE=47
C
CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC
C      MAPPING OF ELEMENTS AS FOLLOWS:
C
C      REMGRD(Y,C,G),PROMOT(Y,C,G),GAINS(Y,C,G),ATTRIT(Y,G,T)
C
C      WHERE: Y=YOS C=CAT G=GRADE
C      T=1=XFR OTH T=2=XFR OFF T=3=DEATH T=4=ATT RET DIS
C      T=5=ATT RET FC T=6=ATT RET VOL T=7=ATT RET INV
C      T=8=ATT OTH DIS T=9=ATT OTH FC T=10=ATT OTH VOL
C      T=11=ATT OTH INV T=12=PROM OUT (GRADE=MAX ONLY)
CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC
C
C      CALL DISPCL
C-----READ FILENAME AND FILETYPE (STACKED IN EXEC)
      READ(5,6) NAMFIL(1),NAMFIL(2),NAMTYP(1),NAMTYP(2)

```

REA00010
 REA00020
 REA00030
 REA00040
 REA00050
 REA00060
 REA00070
 REA00080
 REA00090
 REA00100
 REA00110
 REA00120
 REA00130
 REA00140
 REA00150
 REA00160
 REA00170
 REA00180
 REA00190
 REA00200
 REA00210
 REA00220
 REA00230
 REA00240
 REA00250
 REA00260
 REA00270
 REA00280
 REA00290
 REA00300
 REA00310
 REA00320
 REA00330
 REA00340
 REA00350
 REA00360
 REA00370
 REA00380
 REA00390
 REA00400
 REA00410
 REA00420
 REA00430
 REA00440
 REA00450
 REA00460

6	FORMAT(4A4)	REA00470
C		REA00480
	GIN=0.0	REA00490
	GOUT=0.0	REA00500
C		REA00510
	WRITE(6,200)	REA00520
200	FORMAT(1X,'THIS PROGRAM READS A BASIC FORCE FILE',/, 11X,'HOW MANY GRADES IN A CATEGORY???)	REA00530
	READ(5,*) IEND	REA00540
	WRITE(6,201)	REA00550
201	FORMAT(1X,'DO YOU WISH TO VERIFY RATE DATA??? (YES OR NO)')	REA00560
	READ(5,199) IANS	REA00570
199	FORMAT(A4)	REA00580
	ISTART=1	REA00590
	IF(IANS.EQ.NO)GO TO 209	REA00600
203	WRITE(6,204)	REA00610
204	FORMAT(1X,'VERIFICATION OUTPUT TO PRINTER(1) OR TERMINAL(0)?')	REA00620
	READ(5,*) IOUT	REA00630
	IF(IOUT.GT.1.OR.IOUT.LT.0)GO TO 203	REA00640
	IOUT=6-(IOUT*4)	REA00650
209	CALL DISPCL	REA00660
	WRITE(6,205)	REA00670
205	FORMAT(1X,'BEGINNING FILE READ NOW . . . HANG TIGHT')	REA00680
C		REA00690
C	READ MAJOR TITLE	REA00700
C		REA00710
210	NCAT=0	REA00720
300	READ(INFILE,1050,ERR=910,END=599) T1	REA00730
	NCAT=NCAT+1	REA00740
C		REA00750
C	READ ALL GRADES FROM FILE	REA00760
C		REA00770
	ICOUNT = 0	REA00780
	DO 900 IGRADE=1,IEND	REA00790
	READ(INFILE,1050,ERR=910,END=920)T2	REA00800
	READ(INFILE,3000) L1	REA00810
	DO 101 I=1,35	REA00820
	READ(INFILE,1100) (FILE(I,J,IGRADE),J=1,10)	REA00830
101	CONTINUE	REA00840
	READ(INFILE,3000) L2	REA00850
	DO 102 I=1,35	REA00860
	READ(INFILE,1200) (FILE(I,J,IGRADE),J=11,19)	REA00870
102	CONTINUE	REA00880
	IF(IANS.EQ.YES.AND.IGRADE.GE.ISTART) CALL VERIFY(IGRADE,IOUT)	REA00890
900	CONTINUE	REA00900
C	FINISHED READING INPUT FOR A CATEGORY NOW STORE IN OUT ARRAYS	REA00910
		REAC0920

C		REA00930
500	DO 510 IYR=1,35	REA00940
	DO 520 IGR=1,10	REA00950
	GAINS(IYR,NCAT,IGR,1)=FILE(IYR,3,IGR)	REA00960
	GAINS(IYR,NCAT,IGR,2)=FILE(IYR,4,IGR)	REA00970
	REMGRD(IYR,NCAT,IGR)=FILE(IYR,9,IGR)	REA00980
	PROMOT(IYR,NCAT,IGR)=FILE(IYR,10,IGR)	REA00990
	ATTRIT(IYR,IGR,1)=FILE(IYR,6,IGR)	REA01000
	ATTRIT(IYR,IGR,2)=FILE(IYR,8,IGR)	REA01010
	DO 530 J=1,9	REA01020
	ATTRIT(IYR,IGR,J+2)=FILE(IYR,J+10,IGR)	REA01030
530	CONTINUE	REA01040
	IF(IGR.EQ.IEND) ATTRIT(IYR,IGR,12)=FILE(IYR,10,IGR)	REA01050
520	CONTINUE	REA01060
510	CONTINUE	REA01070
C		REA01080
C	NOW STORE INDIVIDUAL CAT ATTRIT DATA TO FILE	REA01090
C		REA01100
	WRITE(48) ATTRIT	REA01110
	GO TO 300	REA01120
C		REA01130
C	NOW STORE DATA NEEDED FOR MODEL	REA01140
C		REA01150
599	WRITE(49) REMGRD	REA01160
	WRITE(49) PROMOT	REA01170
	WRITE(49) GAINS	REA01180
C		REA01190
C	NOW STORE INFO FILE	REA01200
C		REA01210
	CALL DISPCL	REA01220
	WRITE(6,601)	REA01230
601	FORMAT(1X,'PLEASE ENTER A TITLE FOR THIS DATA (65 CHAR MAX)')	REA01240
	READ(5,1050) T1	REA01250
	WRITE(50) T1,NCAT,IEND,NAMFIL,NAMTYP	REA01260
C		REA01270
	CALL DISPCL	REA01280
	WRITE(6,600) IEND,NCAT,T1	REA01290
600	FORMAT(1X,I2,' GRADES AND ',I2,' CATEGORIES READ FROM ',/,1X,65A1)	REA01300
C		REA01310
	STOP	REA01320
1050	FORMAT(65A1)	REA01330
1100	FORMAT(I2,4F7.0,F7.4,F7.0,3F7.4)	REA01340
1200	FORMAT(2X,9F7.4)	REA01350
3000	FORMAT(65A1)	REA01360
910	WRITE(6,11)	REA01370
911	FORMAT(1X,'ERROR READING FILE')	REA01380

```
      STOP
920  WRITE(6,921)
921  FORMAT(1X,'END OF DATA ON FILE')
      STOP
      END
C
C***** DATA VERIFICATION ROUTINE *****
C
      SUBROUTINE VERIFY(IG,IO)
C
      COMMON FILE(35,19,10),T1(65),T2(65)
C
      WRITE(IO,100) T1
      WRITE(IO,100) T2
100  FORMAT(1X,65A1)
C
      DO 200 I=1,35
      SUM=0.0
      SUM=FILE(I,6,IG)
      DO 210 J=8,19
      SUM=SUM+FILE(I,J,IG)
210  CONTINUE
C
      IF(SUM.LE.0.00.AND.I.LE.10)WRITE(IO,230) I
      IF(SUM.GT.0.000001.AND.SUM.LT.0.999999)GO TO 211
      IF(SUM.GT.1.000001)GO TO 211
      GO TO 200
211  WRITE(IO,220) I,SUM
      IF(IO.EQ.2) WRITE(6,220) I,SUM
220  FORMAT(1X,'***WARNING*** FOR YOS ',I2,' RATES SUM TO ',F8.5)
230  FORMAT(1X,'***ERROR*** FOR YOS ',I2,' NO RATES GIVEN')
200  CONTINUE
C
      RETURN
      END
```

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REA01390
REA01400
REA01410
REA01420
REA01430
REA01440
REA01450
REA01460
REA01470
REA01480
REA01490
REA01500
REA01510
REA01520
REA01530
REA01540
REA01550
REA01560
REA01570
REA01580
REA01590
REA01600
REA01610
REA01620
REA01630
REA01640
REA01650
REA01660
REA01670
REA01680
REA01690
REA01700
REA01710
REA01720
```


FILE: MODEL EXEC A
PAGE 001

VM/SP CONVERSATIONAL MONITOR SYSTEM

&CONTROL OFF
&ERROR &GOTO -ERR
FILEDEF 2 PRINTER (RECFM FA LRECL 132 BLKSIZE 133 PERM
FILEDEF 6 TERMINAL (RECFM F LRECL 130 BLKSIZE 131 PERM
FILEDEF 10 DISK DCE00XX DATA A4
FILEDEF 11 DISK DCE00XX DATA A4
FILEDEF 46 DISK DCE00XX SUBSTRUC A4
FILEDEF 49 DISK DCE00XX GRATES A4
FILEDEF 50 DISK DCE00XX INFO A4
MODEL
&EXIT
-ERR
&TYPE ERROR IN RUNNING STATIC MODEL -- CONTACT MODEL MANAGER
&EXIT

C		MOD00010
C*****		MOD00020
C*		MOD00030
C* THIS IS THE MAIN ROUTINE FOR THE STATIC MODEL	*	MOD00040
C*		MOD00050
C* THIS ROUTINE CALLS FOUR(4) OTHER SUBROUTINES	*	MOD00060
C*		MOD00070
C* THESE ARE : BUILD	*	MOD00080
C* BCOMP	*	MOD00090
C* BOUT	*	MOD00100
C* ZD3	*	MOD00110
C*		MOD00120
C*****		MOD00130
C		MOD00140
COMMON DESSTR,MAXYRS,NSOURC,NCAT		MOD00150
COMMON PARSRC,PARCAT,PRMPAR,SRCRET,RESRAT,TRNG,GRADE		MOD00160
COMMON NAMSRC,NAMCAT		MOD00170
COMMON NWPROC,NEWTNG,MST,P,T,SUBCAT,SUBSRC,FORCE,TOTALS,SURV		MOD00180
COMMON NCONTR,CONTR,CNTRCT		MOD00190
COMMON/P/PRMOPP,GAINS		MOD00200
COMMON/G/NGRD		MOD00210
COMMON/INFO/TITLE,NAMFIL,NAMTYP		MOD00220
COMMON/PRINT/IOUT		MOD00230
INTEGER DESSTR,MAXYRS,NSOURC,NCAT,NCONTR		MOD00240
INTEGER PARSRC(10,5),PARCAT(15,5),PRMPAR(9,4)		MOD00250
REAL SRCRET(10,3),RESRAT(35,15,10),TRNG(10,15),		MOD00260
*GRADE(36,10,2)		MOD00270
INTEGER NAMSRC(10,2),NAMCAT(15,2)		MOD00280
REAL NWPROC(10),NEWTNG(10,15),MST(10,15),P(10,15),T(10,15)		MOD00290
REAL SUBCAT(15,36,13),SUBSRC(10,36,13),FORCE(36,13)		MOD00300
REAL SURV(10,15,36),CONTR(10,8),CNTRCT(10,30),TOTALS(10,15,36)		MOD00310
INTEGER TITLE(65),NAMFIL(2),NAMTYP(2)		MOD00320
INTEGER E1,E2,I,II,J,ST,SECT,SUBSCT,YRGP,LIM		MOD00330
INTEGER SELECT,SWITCH		MOD00340
INTEGER ANSWER,BLANK,YES,NO,NONE		MOD00350
REAL PRMOPP(35,15,10),GAINS(35,15,10,2),RLOSS(10,35)		MOD00360
REAL RATE,CNSTNT,IP		MOD00370
DATA BLANK/' ' ,YES/'YES' / ,NO/'NO' /		MOD00380
DATA NONE/'NONE' /		MOD00390
IFILE1=10		MOD00400
IFILE2=11		MOD00410
NGRD1=NGRD-1		MOD00420
C		MOD00430
C***** SETUP DEFAULT NAMES *****		MOD00440
C		MOD00450
DO 10 I=1,10		MOD00460

DO 10 J=1,2	MOD00470
NAMSRC(I,J)=NONE	MOD00480
10 CONTINUE	MOD00490
DO 20 I=1,15	MOD00500
DO 20 J=1,2	MOD00510
NAMCAT(I,J)=NONE	MOD00520
20 CONTINUE	MOD00530
C	MOD00540
C*****ASK IF WE WANT TO USE A PREVIOUSLY CREATED FILE*****	MOD00550
C*****IF NOT WE WILL BUILD A NEW FILE*****	MOD00560
C	MOD00570
C*****NOTE: A PREVIOUS FILE IS ASSUMED TO HAVE ALREADY HAD	MOD00580
C***** A FILEDEF ON IT. EX. FILEDEF 10 DISK FN FT FM (LRECL 80	MOD00590
CALL DISPCI,	MOD00600
WRITE(6,1013)	MOD00610
1013 FORMAT(20X,'*****',/,	MOD00620
1 20X,'* WELCOME TO THE QRMG *',/,	MOD00630
2 20X,'* STATIC MODEL VER83.115 *',/,	MOD00640
3 20X,'*****',/))	MOD00650
C	MOD00660
C	MOD00670
WRITE(6,9001)	MOD00680
READ (5,9000)ANSWER	MOD00690
IF (ANSWER.EQ.YES) GO TO 30	MOD00700
C	MOD00710
C***** CALL THE BUILD FILE ROUTINE *****	MOD00720
C	MOD00730
CALL BUILD	MOD00740
GO TO 50	MOD00750
C	MOD00760
C***** NOW READ IN A PREVIOUSLY CREATED DATA FILE *****	MOD00770
C	MOD00780
30 READ(IFILE1) NSOURC,NCAT,DESSTR,NGRD,NCONTR	MOD00790
READ(IFILE1) NAMSRC	MOD00800
READ(IFILE1) PARSRC	MOD00810
READ(IFILE1) NAMCAT	MOD00820
READ(IFILE1) PARCAT	MOD00830
READ(IFILE1) TRNG	MOD00840
READ(IFILE1) CONTR	MOD00850
C	MOD00860
50 READ(49) RESRAT	MOD00870
READ(49) PRMOPP	MOD00880
READ(49) GAINS	MOD00890
REWIND 49	MOD00900
READ(50) TITLE, INC, ING, NAMFIL, NAMTYP	MOD00910
REWIND 50	MOD00920

C		MOD00930
C	CHECK FOR CONSISTENCY	MOD00940
C		MOD00950
	IF(INC.EQ.NCAT.AND.ING.EQ.NGRD)GO TO 66	MOD00960
C*****	WE HAVE A SMALL PROBLEM*****	MOD00970
	CALL DISPCL	MOD00980
	WRITE(6,65) INC,ING,NCAT,NGRD	MOD00990
65	FORMAT(1X,'***** W A R N I N G *****',//,	MOD01000
1	1X,'YOUR INPUT DATA FILE CONTAINS',/,	MOD01010
2	1X,I3,' CATEGORIES AND ',I3,' GRADES',//,	MOD01020
3	1X,'YOUR MODEL RUN PARAMETERS ARE SET FOR',/,	MOD01030
4	1X,I3,' CATEGORIES AND ',I3,' GRADES',//,	MOD01040
5	1X,'DO YOU WISH TO OVERRIDE?? (USE MODEL PARAMETERS',/,	MOD01050
6	1X,'YES OR NO ???')	MOD01060
	READ(5,9000) ANSWER	MOD01070
	IF(ANSWER.EQ.YES) GO TO 66	MOD01080
C		MOD01090
C*****	ASK IF WE WANT TO SEE ANY OF OUR DATA *****	MOD01100
66	CALL DISPCL	MOD01110
	WRITE(6,9028)	MOD01120
	READ(5,9000) ANSWER	MOD01130
	IF(ANSWER.EQ.NO)GO TO 55	MOD01140
C		MOD01150
	CALL BCOMP	MOD01160
	CALL BOUT	MOD01170
C		MOD01180
C*****	ASK IF WE WANT TO CHANGE THIS FILE *****	MOD01190
53	CALL DISPCL	MOD01200
	WRITE(6,9005)	MOD01210
	READ (5,9000) ANSWER	MOD01220
	IF (ANSWER.EQ.NO) GO TO 60	MOD01230
C		MOD01240
C*****	CALL THE BUILD/ALTER FILE ROUTINE *****	MOD01250
C		MOD01260
	CALL BUILD	MOD01270
	GO TO 50	MOD01280
C		MOD01290
C*****	CHECK IF WE WANT TO SAVE THE FILE *****	MOD01300
60	CALL DISPCL	MOD01310
	WRITE(6,9006)	MOD01320
	READ (5,9000)ANSWER	MOD01330
	IF (ANSWER.EQ.NO) GO TO 70	MOD01340
C		MOD01350
C *****	WRITE OUT PARAMETER DATA FILE *****	MOD01360
C		MOD01370
	WRITE(IFILE2) NSOURC,NCAT,DESSTR,NGRD,NCONTR	MOD01380

WRITE(IFILE2) NAMSRC	MOD01390
WRITE(IFILE2) PARSRC	MOD01400
WRITE(IFILE2) NAMCAT	MOD01410
WRITE(IFILE2) PARCAT	MOD01420
WRITE(IFILE2) TRNG	MOD01430
WRITE(IFILE2) CONTR	MOD01440
C	MOD01450
C	MOD01460
C	MOD01470
C*****ASK IF WE WANT TO MAKE A MODEL RUN*****	MOD01480
70 CALL DISPCL	MOD01490
WRITE(6,9008)	MOD01500
READ (5,9000) ANSWER	MOD01510
IF (ANSWER.EQ.NO) GO TO 9999	MOD01520
C	MOD01530
C*****CALL BASIC SETUP ROUTINE FOR CONTRACTEE ARRAYS*****	MOD01540
C	MOD01550
CALL BCOMP	MOD01560
C	MOD01570
CALL DISPCL	MOD01580
WRITE(6,99)	MOD01590
99 FORMAT(1H, '//OK INITIAL SET-UP COMPLETE---STARTING',	MOD01600
*' MODEL RUN NOW')	MOD01610
C	MOD01620
C***** CALL MODEL SUBROUTINE*****	MOD01630
C	MOD01640
CALL ZD3	MOD01650
C	MOD01660
C ***** LOGICAL END OF PROGRAM *****	MOD01670
C	MOD01680
9999 STOP	MOD01690
C	MOD01700
C ***** NEW FORMAT STATEMENTS FOR CONVERSION *****	MOD01710
C	MOD01720
9000 FORMAT(2A4)	MOD01730
9001 FORMAT(1X, 'DO YOU WANT TO USE A PARAMETER FILE IN THE LIBRARY?')	MOD01740
9002 FORMAT(1X, 'WHAT IS THE FILE NAME?')	MOD01750
9003 FORMAT(1X, 'INVALID FILENAME. RESPECIFY')	MOD01760
9004 FORMAT(1X, 'SORRY, INVALID FILENAME. TRY AGAIN')	MOD01770
9005 FORMAT(1X, 'DO YOU WANT TO CHANGE ANY PARAMETERS?')	MOD01780
9006 FORMAT(1X, 'DO YOU WANT TO STOP THE CURRENT PARAMETER FILE?')	MOD01790
9007 FORMAT(1X, 'PLEASE ENTER A NEW FILENAME')	MOD01800
9008 FORMAT(1X, 'DO YOU WANT TO MAKE A MODEL RUN USING THIS FILE?')	MOD01810
9028 FORMAT(1X, 'DO YOU WANT TO SEE ANY OF THE DATA???)	MOD01820
C	MOD01830
C***** END OF MAIN ROUTINE *****	MOD01840

C	END	MOD01850
C		MOD01860
C	SUBROUTINE BUILD	MOD01870
C		MOD01880
C	***** SUBROUTINE BUILD-USED TO CREATE INPUT DATA FILES*****	MOD01890
C		MOD01900
	COMMON DESSTR,MAXYRS,NSOURC,NCAT	MOD01910
	COMMON PARSRC,PARCAT,PRMPAR,SRCRET,RESRAT,TRNG,GRADE	MOD01920
	COMMON NAMSRC,NAMCAT	MOD01930
	COMMON NWPROC,NEWTRNG,MST,P,T,SUBCAT,SUBSRC,FORCE,TOTALS,SURV	MOD01940
	COMMON NCONTR,CONTR,CNTRCT	MOD01950
	COMMON/P/PRMOPP,GAINS	MOD01960
	COMMON/G/NGRD	MOD01970
	COMMON/INFO/TITLE,NAMFIL,NAMTYP	MOD01980
	COMMON/PRINT/IOUT	MOD01990
	INTEGER DESSTR,MAXYRS,NSOURC,NCAT,NCONTR	MOD02000
	INTEGER PARSRC(10,5),PARCAT(15,5),PRMPAR(9,4)	MOD02010
	REAL SRCRET(10,3),RESRAT(35,15,10),TRNG(10,15),	MOD02020
	*GRADE(36,10,2)	MOD02030
	INTEGER NAMSRC(10,2),NAMCAT(15,2)	MOD02040
	REAL NWPROC(10),NEWTRNG(10,15),MST(10,15),P(10,15),T(10,15)	MOD02050
	REAL SUBCAT(15,36,13),SUBSRC(10,36,13),FORCE(36,13)	MOD02060
	REAL SURV(10,15,36),CONTR(10,8),CNTRCT(10,30),TOTALS(10,15,36)	MOD02070
C		MOD02080
	INTEGER E1,E2,I,II,J,ST,SECT,SUBSCT,YRGP,LIM	MOD02090
	INTEGER SELECT,SWITCH	MOD02100
	INTEGER ANSWER,BLANK,YES,NO	MOD02110
	REAL PRMOPP(35,15,10),GAINS(35,15,10,2)	MOD02120
	REAL RATE,CNSTNT,IP	MOD02130
	DATA BLANK/' '/,YES/'YES'/,NO/'NO'/	MOD02140
	NGRD1=NGRD-1	MOD02150
C		MOD02160
C	THIS IS THE PARAMETER FILE BUILD/ALTER ROUTINE'	MOD02170
C		MOD02180
10	WRITE(6,9009)	MOD02190
50	CALL DISPCL	MOD02200
	WRITE(6,9010)	MOD02210
	WRITE(6,9011)	MOD02220
	WRITE(6,9012)	MOD02230
	READ(5,*)SECT	MOD02240
	IF(SECT.LE.0) GO TO 9999	MOD02250
	IF (SECT.GT.5) GO TO 10	MOD02260
	GO TO (200,300,400,500,800),SECT	MOD02270
C		MOD02280
200	CALL DISPCL	MOD02290
		MOD02300

WRITE(6,9013)	MOD02310
READ (5,*) DESSTR,NGRD	MOD02320
GO TO 50	MOD02330
C	MOD02340
300 CALL DISPCL	MOD02350
WRITE(6,9014)	MOD02360
READ (5,*) SUBSCT	MOD02370
IF(SUBSCT.LE.0)GO TO 310	MOD02380
IF(SUBSCR.GT.4)GO TO 300	MOD02390
GO TO (320,330,340),SUBSCT	MOD02400
310 GO TO 50	MOD02410
320 WRITE(6,9016)	MOD02420
READ (5,*)NSOURC	MOD02430
GO TO 300	MOD02440
330 DO 331 I=1,NSOURC	MOD02450
WRITE(6,332) I	MOD02460
332 FORMAT(1H , 'FOR SOURCE ',I3, ',GIVE 4-LTR ABBR')	MOD02470
331 READ (5,9000)NAMSRC(I,1)	MOD02480
GO TO 300	MOD02490
340 DO 341 I=1,NSOURC	MOD02500
WRITE(6,342) I	MOD02510
342 FORMAT(1H , 'FOR SOURCE ',I3, ',GIVE YEARLY PROCUREMENT')	MOD02520
341 READ (5,*) PARSRC(I,1)	MOD02530
GO TO 300	MOD02540
C	MOD02550
400 CALL DISPCL	MOD02560
WRITE(6,9017)	MOD02570
READ (5,*)SUBSCT	MOD02580
IF (SUBSCT.LE.0) GO TO 410	MOD02590
IF(SUBSCT.GT.3)GO TO 400	MOD02600
GO TO (420,430,440), SUBSCT	MOD02610
410 GO TO 50	MOD02620
420 WRITE(6,9018)	MOD02630
READ (5,*)NCAT	MOD02640
GO TO 400	MOD02650
430 DO 431 I=1,NCAT	MOD02660
WRITE(6,432) I	MOD02670
432 FORMAT(1H , 'FOR CATEGORY ',I3, ',GIVE 4-LTR ABBR')	MOD02680
431 READ (5,9000)NAMCAT(I,1)	MOD02690
GO TO 400	MOD02700
440 DO 441 I=1,NCAT	MOD02710
WRITE(6,442) I	MOD02720
442 FORMAT(1H , 'FOR CATEGORY ',I3, ',GIVE TOTAL REQ D')	MOD02730
READ(5,*) PARCAT(I,1)	MOD02740
441 CONTINUE	MOD02750
GO TO 400	MOD02760

C		MOD02770
500	CALL DISPCL	MOD02780
	DO 501 I=1,NSOURC	MOD02790
	WRITE(6,502) I	MOD02800
502	FORMAT(1H,'FOR SOURCE ',I3,'GIVE TRAINING FLOW RATES FROM',	MOD02810
	*' SOURCE TO CATEGORY'/1H,'(REMEMBER THEY MUST SUM TO 1.00)'/)	MOD02820
501	READ (5,*)(TRNG(I,J),J=1,NCAT)	MOD02830
	GO TO 50	MOD02840
C		MOD02850
800	CALL DISPCL	MOD02860
	WRITE(6,9024)	MOD02870
	READ (5,*)NCONTR	MOD02880
810	CALL DISPCL	MOD02890
	WRITE(6,9025)	MOD02900
	READ (5,*)I	MOD02910
	IF (I.EQ.0) GO TO 50	MOD02920
	IF (I.LT.1.OR.I.GT.10) GO TO 810	MOD02930
	WRITE(6,820) I	MOD02940
820	FORMAT(1H,'GIVE PARAMETERS FOR CNTRCT #',I2,/	MOD02950
	*1H,'START YEAR,TOTAL CNTRCTEES,LENGTH(YRS),COST/YR,/'	MOD02960
	*1H,'MANAGEMENT CATEGORY,LOSS RATE/YR,BONUS PAYMENT PLAN'/'	MOD02970
	*1H,'(1-EVERYONE IN YRGPS &CATEGORY:2-JUST CNTRCTEES)'/)	MOD02980
	READ (5,*)(CONTR(I,J),J=1,7)	MOD02990
	GO TO 810	MOD03000
C		MOD03010
	C***** RETURN FROM WHENCE WE CAME *****	MOD03020
C		MOD03030
9999	RETURN	MOD03040
C		MOD03050
	C***** NEW FORMAT STATEMENTS FOR CONVERSION *****	MOD03060
C		MOD03070
9000	FORMAT(2A4)	MOD03080
9009	FORMAT(1X,'NOW GOING TO BUILD/ALTER PARAMETER FILE')	MOD03090
9010	FORMAT(1X,'ENTER THE NUMBER OF THE SECTION YOU WANTTO',/,	MOD03100
	*1X,'BUILD/ALTER ACCORDING TO THE FOLLOWING TABLE')	MOD03110
9011	FORMAT(1X,'0--FINISHED, READY TO GO ON',/,	MOD03120
	*1X,'1--TOTAL DESIGN STRENGTH',/,1X,'2--PROCUREMENT DATA',/,1X,	MOD03130
	*'3--MANAGEMENT CATEGORY DATA',/,1X,	MOD03140
	*'4--TRAINING FLOW DATA',/,1X,	MOD03150
	*'5--CONTRACT DATA')	MOD03160
9012	FORMAT(1X,'SECTION TO BUILD/ALTER?')	MOD03170
9013	FORMAT(1X,'ENTER DESIGN STR,NBR OF GRADES')	MOD03180
9014	FORMAT(1X,'ENTER PROCUREMENT SUBSECTION TO BUILD/ALTER',/,1X,	MOD03190
	*'0--FINISHED, READY TO GO ON',/,1X,	MOD03200
	*'1--NUMBER OF SOURCES',/,1X,'2--SOURCE NAME TABLE',/,1X,	MOD03210
	*'3--SOURCE PARAMETER TABLE')	MOD03220

9015	FORMAT(1X,'ENTER PROCUREMENT SUBSECTION DESIRED')	MOD03230
9016	FORMAT(1X,'NUMBER OF SOURCES?')	MOD03240
9017	FORMAT(1X,'ENTER MANAGEMENT CATEGORY SUBSECTION',/,1X,	MOD03250
	*'0--FINISHED, READY TO GO ON',/,1X,	MOD03260
	*'1--NUMBER OF CATEGORIES',/,1X,	MOD03270
	*'2--CATEGORY NAME TABLE',/,1X,	MOD03280
	*'3--CATEGORY PARAMETER TABLE')	MOD03290
9031	FORMAT(1X,'MANAGEMENT CATEGORY SUBSECTION TO BUILD/ALTER?')	MOD03300
9018	FORMAT(1X,'NUMBER OF CATEGORIES?')	MOD03310
9022	FORMAT(1X,'ENTER PROMOTION SUBSECTION DESIRED',/,1X,	MOD03320
	*'1--FINISHED, READY TO GO ON',/,1X,	MOD03330
	*'2--PROMOTION PARAMETER TABLE',/,1X,	MOD03340
	*'3--PROMOTION OPPORTUNITY TABLE',/,1X,	MOD03350
	*'4--NON-PROMOTEE ADDITIVE LOSS RATES')	MOD03360
9023	FORMAT(1X,'PROMOTION SUBSECTION TO BUILD/ALTER??')	MOD03370
9024	FORMAT(1X,'HOW MANY CONTRACTS??')	MOD03380
9025	FORMAT(1X,'WHICH CONTRACT? (ENTER 0 WHEN FINISHED)')	MOD03390
9026	FORMAT(1X,'DO YOU WANT TO ENTER ALL LOSS RATES?? (YES OR NO)')	MOD03400
9027	FORMAT(1X,'WHAT YEAR?? (ENTER 0 WHEN FINISHED)')	MOD03410
C		MOD03420
C*****	END OF PROGRAM *****	MOD03430
C		MOD03440
	END	MOD03450
	SUBROUTINE BCOMP	MOD03460
C		MOD03470
C****	SUBROUTINE BCOMP-USED TO COMPUTE COMPONENT AND GRADE ARRAYS*****	MOD03480
C		MOD03490
	COMMON DESSTR,MAXYRS,NSOURC,NCAT	MOD03500
	COMMON PARSRC,PARCAT,PRMPAR,SECRET,RESRAT,TRNG,GRADE	MOD03510
	COMMON NAMSRC,NAMCAT	MOD03520
	COMMON NWPROC,NEWTNG,MST,P,T,SUBCAT,SUBSRC,FORCE,TOTALS,SURV	MOD03530
	COMMON NCONTR,CONTR,CNTRCT	MOD03540
	COMMON/P/PRMOPP,GAINS	MOD03550
	COMMON/G/NGRD	MOD03560
	COMMON/INFO/TITLE,NAMFIL,NAMTYP	MOD03570
	COMMON/PRINT/IOUT	MOD03580
	INTEGER DESSTR,MAXYRS,NSOURC,NCAT,NCONTR	MOD03590
	INTEGER PARSRC(10,5),PARCAT(15,5),PRMPAR(9,4)	MOD03600
	REAL SECRET(10,3),RESRAT(35,15,10),TRNG(10,15),	MOD03610
	*GRADE(36,10,2)	MOD03620
	INTEGER NAMSRC(10,2),NAMCAT(15,2)	MOD03630
	REAL NWPROC(10),NEWTNG(10,15),MST(10,15),P(10,15),T(10,15)	MOD03640
	REAL SUBCAT(15,36,13),SUBSRC(10,36,13),FORCE(36,13)	MOD03650
	REAL SURV(10,15,36),CONTR(10,8),CNTRCT(10,30),TOTALS(10,15,36)	MOD03660
C		MOD03670
	INTEGER E1,E2,I,II,J,ST,SECT,SUBSET,YRGP,LIM	MOD03680

INTEGER SELECT, SWITCH	MOD03690
INTEGER ANSWER, BLANK, YES, NO	MOD03700
REAL PRMOPP(35,15,10), GAINS(35,15,10,2)	MOD03710
REAL RATE, CNSTNT, IP	MOD03720
DATA BLANK/' '/, YES/'YES'/, NO/'NO'/	MOD03730
NGRD1=NGRD-1	MOD03740
C	MOD03750
C	MOD03760
C COMPUTE COMPONENT AND GRADE ARRAYS	MOD03770
C	MOD03780
C SECTION REMOVED SINCE ITS IS NOT NEEDED WITH QPMC DATA	MOD03790
C	MOD03800
C	MOD03810
IF (NCONTR.LE.0) GO TO 9999	MOD03820
DO 805 I=1, NCONTR	MOD03830
RATE=CONTR(I,6)	MOD03840
CNSTNT=1.0-RATE	MOD03850
LIM=CONTR(I,3)	MOD03860
IF (RATE.EQ.0.0) GO TO 802	MOD03870
CONTR(I,8)=(1.0-CNSTNT**LIM)/RATE	MOD03880
GO TO 803	MOD03890
802 CONTR(I,8)=LIM	MOD03900
803 CONTINUE	MOD03910
IF (CONTR(I,8).EQ.0.0) GOTO 805	MOD03920
IP=CONTR(I,2)/CONTR(I,8)	MOD03930
DO 801 J=1, LIM	MOD03940
E1=CONTR(I,1)	MOD03950
IF (E1.EQ.0) GOTO 805	MOD03960
IF (J.EQ.1) GO TO 804	MOD03970
CNTRCT(I, E1-1+J)=IP**CNSTNT**(J-1)	MOD03980
GO TO 801	MOD03990
804 CNTRCT(I, E1)=IP	MOD04000
801 CONTINUE	MOD04010
805 CONTINUE	MOD04020
C	MOD04030
C***** RETURN FROM WHENCE WE CAME *****	MOD04040
C	MOD04050
9999 RETURN	MOD04060
C	MOD04070
END	MOD04080
SUBROUTINE BOUT	MOD04090
C	MOD04100
C***** SUBROUTINE BOUT-USED TO REPORT DATA FILE CONTENTS*****	MOD04110
C	MOD04120
COMMON DESSTR, MAXYRS, NSOURC, NCAT	MOD04130
COMMON PARSRC, PARCAT, PRMPAR, SRCRET, RESRAT, TRNG, GRADE	MOD04140

COMMON NAMSRC,NAMCAT	MOD04150
COMMON NWPROC,NEWTNG,MST,P,T,SUBCAT,SUBSRC,FORCE,TOTALS,SURV	MOD04160
COMMON NCONTR,CONTR,CNTRCT	MOD04170
COMMON/P/PRMOPP,GAINS	MOD04180
COMMON/G/NGRD	MOD04190
COMMON/INFO/TITLE,NAMFIL,NAMTYP	MOD04200
COMMON/PRINT/IOUT	MOD04210
INTEGER DESSTR,MAXYRS,NSOURC,NCAT,NCONTR	MOD04220
INTEGER PARSRC(10,5),PARCAT(15,5),PRMPAR(9,4)	MOD04230
REAL SRCRET(10,3),RESRAT(35,15,10),TRNG(10,15),	MOD04240
*GRADE(36,10,2)	MOD04250
INTEGER NAMSRC(10,2),NAMCAT(15,2)	MOD04260
REAL NWPROC(10),NEWTNG(10,15),MST(10,15),P(10,15),T(10,15)	MOD04270
REAL SUBCAT(15,36,13),SUBSRC(10,36,13),FORCE(36,13)	MOD04280
REAL SURV(10,15,36),CONTR(10,8),CNTRCT(10,30),TOTALS(10,15,36)	MOD04290
C	MOD04300
INTEGER E1,E2,I,II,J,ST,SECT,SUBSCT,YRGP,LIM	MOD04310
INTEGER SELECT,SWITCH	MOD04320
INTEGER ANSWER,BLANK,YES,NO	MOD04330
REAL PRMOPP(35,15,10),GAINS(35,15,10,2)	MOD04340
REAL RATE,CNSTNT,IP	MOD04350
DATA BLANK/' '/,YES/'YES'/,NO/'NO'/	MOD04360
NGRD1=NGRD-1	MOD04370
C	MOD04380
C	MOD04390
C***** OUTPUT ROUTINE *****	MOD04400
C	MOD04410
99 CALL DISPCL	MOD04420
WRITE(6,100)	MOD04430
100 FORMAT(1X,'OUTPUT TO PRINTER(1) OR TERMINAL(0)')	MOD04440
READ(5,*) IOUT	MOD04450
IF(IOUT.LT.0.OR.IOUT.GT.1)GO TO 99	MOD04460
IOUT=6-(4*IOUT)	MOD04470
C	MOD04480
CALL DISPCL	MOD04490
WRITE(6,9029)	MOD04500
READ (5,9000)ANSWER	MOD04510
IF (ANSWER.EQ.NO) GO TO 1020	MOD04520
SELECT=0	MOD04530
1021 SELECT=SELECT+1	MOD04540
IF (SELECT.GT.7) GO TO 9999	MOD04550
ASSIGN 1021 TO SWITCH	MOD04560
1022 GO TO (1001,1002,1003,1004,1008,1007,1009),SELECT	MOD04570
1020 CALL DISPCL	MOD04580
WRITE(6,9030)	MOD04590
READ (5,*)SELECT	MOD04600

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      IF (SELECT.EQ.0) GO TO 9999
      IF (SELECT.GT.7) GO TO 1020
      ASSIGN 1020 TO SWITCH
      GO TO 1022

C
C TITLE
C SECTION 1'
1001  WRITE(IOUT,901) DESSTR,NGRD
901   FORMAT('1**SECTION 1  TOTAL SYSTEM DATA  ',48('*'))//
      *'      TOTAL DESIGN STRENGTH=' ,4X,I6/
      *'      NUMBER OF GRADES      =' ,8X,I2/)
      IF(IOUT.EQ.6) PAUSE 'HIT S/R KEY TO CONTINUE'
      GO TO SWITCH , (1020,1021)

C
C SECTION 2'
1002  WRITE(IOUT,902) NSOURC
902   FORMAT(' **SECTION 2  PROCUREMENT DATA  ',49('*'))//
      *'      NUMBER OF SOURCES =' ,12X,I1//)
      WRITE(IOUT,903) (IG,IG=1,10),(NAMSRC(I,1),I=1,10),
      *(PARSRC(I,1),I=1,10)
903   FORMAT('      SOURCE #',22X,10(I2,6X),/,
      *'      NAME(4-LTR)',12X,10(4X,A4)/
      *'      YEARLY PROCUREMENT',5X,10I8/)
      IF(IOUT.EQ.6) PAUSE 'HIT S/R KEY TO CONTINUE'
      GO TO SWITCH , (1020,1021)

C
C SECTION 3'
1003  WRITE(IOUT,904) NCAT
904   FORMAT(' **SECTION 3  MANAGEMENT CATEGORY DATA  ',41('*'))//
      *'      NUMBER OF CATEGORIES=' ,17//)
      WRITE(IOUT,905) (IG,IG=1,15),(NAMCAT(I,1),I=1,15),
      *(PARCAT(I,1),I=1,15)
905   FORMAT('  CATEGORY #',8X,14(I2,5X),I2,/,
      *'  NAME(4-LTR)',2X,15(3X,A4),/,
      *'  TOTAL REQ',3X,15I7,/)
      IF(IOUT.EQ.6) PAUSE 'HIT S/R KEY TO CONTINUE'
      GO TO SWITCH , (1020,1021)

C
C SECTION 4'
1004  WRITE(IOUT,906)
906   FORMAT('0**SECTION 4  TRAINING FLOW DATA  ',46('*'))//
      WRITE(IOUT,907) (IG,IG=1,15),(NAMCAT(I,1),I=1,15)
907   FORMAT('      *****/
      *'      FROM      *  TO',10X,14(I2,4X),I2,/,
      *'      SOURCE      *  CATEGORY',15(2X,A4)/
      *'      *****/

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MOD04610
MOD04620
MOD04630
MOD04640
MOD04650
MOD04660
MOD04670
MOD04680
MOD04690
MOD04700
MOD04710
MOD04720
MOD04730
MOD04740
MOD04750
MOD04760
MOD04770
MOD04780
MOD04790
MOD04800
MOD04810
MOD04820
MOD04830
MOD04840
MOD04850
MOD04860
MOD04870
MOD04880
MOD04890
MOD04900
MOD04910
MOD04920
MOD04930
MOD04940
MOD04950
MOD04960
MOD04970
MOD04980
MOD04990
MOD05000
MOD05010
MOD05020
MOD05030
MOD05040
MOD05050
MOD05060

DO 908 I=1,NSOURC	MOD05070
WRITE(IOUT,909) I,NAMSRC(1,1),(TRNG(I,J),J=1,15)	MOD05080
909 FORMAT(6X,I1,'-',A4,13X,15F6.3)	MOD05090
908 CONTINUE	MOD05100
IF(IOUT.EQ.6) PAUSE 'HIT S/R KEY TO CONTINUE'	MOD05110
GO TO SWITCH , (1020,1021)	MOD05120
C	MOD05130
C	MOD05140
C SECTION 6' (REMOVED)	MOD05150
C	MOD05160
C	MOD05170
C SECTION 7'	MOD05180
1007 DO 800 NC=1,NCAT	MOD05190
WRITE(IOUT,912)	MOD05200
912 FORMAT('1**SECTION 6 PROMOTION OPPORTUNITIES FOR CAT= ',A4,/,	MOD05210
*' YR G-1 G-2 G-3 G-4 G-5 G-6 G-7 ',	MOD05220
*' G-8 G-9 G-10 '//)	MOD05230
DO 913 I=1,36	MOD05240
WRITE(IOUT,914) I,(PRMOPP(I,NC,J),J=1,NGRD)	MOD05250
914 FORMAT(1H ,I2,9F7.4)	MOD05260
913 CONTINUE	MOD05270
800 CONTINUE	MOD05280
IF(IOUT.EQ.6) PAUSE 'HIT S/R KEY TO CONTINUE'	MOD05290
GO TO SWITCH , (1020,1021)	MOD05300
C	MOD05310
C SECTION 8'	MOD05320
1008 WRITE(IOUT,918) NCONTR	MOD05330
IF(NCONTR.EQ.0)GO TO 9161	MOD05340
WRITE(IOUT,917) ((CONTR(I,J),I=1,10),J=1,8)	MOD05350
DO 915 K=1,30	MOD05360
915 WRITE(IOUT,916) K,(CNTRCT(I,K),I=1,10)	MOD05370
918 FORMAT('0**SECTION 5 CNTRCT DATA ',52('*')//	MOD05380
*' NUMBER OF CNTRCTS=',I5//)	MOD05390
917 FORMAT(' CNTRCT #',4X,'1',6X,'2',6X,'3',6X,'4',6X,'5',	MOD05400
*6X,'6',6X,'7',6X,'8',6X,'9',5X,'10'//	MOD05410
*' START ',10F7.0/	MOD05420
*' TOTAL ',10F7.0/	MOD05430
*' LENGTH',10F7.0/	MOD05440
*' COST ',10F7.0/	MOD05450
*' CATGRY',10F7.0/	MOD05460
*' L.RATE ',10F7.3/	MOD05470
*' P.PLAN',10F7.0/	MOD05480
*' EXLIFE ',10F7.3//)	MOD05490
916 FORMAT(1H ,I7,10F7.0)	MOD05500
IF(IOUT.EQ.6) PAUSE 'HIT S/R KEY TO CONTINUE'	MOD05510
9161 GO TO SWITCH , (1020,1021)	MOD05520

C		MOD05530
C	SECTION 9'	MOD05540
1009	DO 919 I=1,NCAT	MOD05550
	WRITE(IOUT,920) NAMCAT(I,1)	MOD05560
920	FORMAT(/,'**SECTION 9 RESIDUAL LOSS RATES ',20('*'),	MOD05570
	*' CATEGORY = ',A4,/)	MOD05580
	WRITE(IOUT,921) (IG,IG=1,NGRD)	MOD05590
921	FORMAT(1X,'YR',3X,10I7)	MOD05600
	DO 922 J=1,35	MOD05610
	WRITE(IOUT,923) J,(RESRAT(J,1,IG),IG=1,NGRD)	MOD05620
923	FORMAT(1X,I2,3X,10F7.4)	MOD05630
922	CONTINUE	MOD05640
919	CONTINUE	MOD05650
	IF(IOUT.EQ.6) PAUSE 'HIT S/R KEY TO CONTINUE'	MOD05660
	GO TO SWITCH , (1020,1021)	MOD05670
C		MOD05680
C	***** RETURN FROM WHENCE WE CAME *****	MOD05690
C		MOD05700
9999	RETURN	MOD05710
C		MOD05720
C	***** FORMAT STATEMENTS *****	MOD05730
C		MOD05740
9000	FORMAT(2A4)	MOD05750
9029	FORMAT(1X,'DO YOU WANT TO SEE ALL OF THE DATA??')	MOD05760
9030	FORMAT(1X,'WHICH SECTION?? (ENTER 0 IF FINISHED)')	MOD05770
C		MOD05780
	END	MOD05790
	SUBROUTINE ZD3	MOD05800
	COMMON DESSTR,MAXYRS,NSOURC,NCAT	MOD05810
	COMMON PARSRC,PARCAT,PRMPAR,SRCRET,RESRAT,TRNG,GRADE	MOD05820
	COMMON NAMSRC,NAMCAT	MOD05830
	COMMON NWPROC,NEWTNG,MST,P,T,SUBCAT,SUBSRC,FORCE,TOTALS,SURV	MOD05840
	COMMON NCONTR,CONTR,CONTRCT	MOD05850
	COMMON/P/PRMOPP,GAINS	MOD05860
C		MOD05870
	COMMON/S/TOTRET,RETPOP,COST,GONED,GONEV,GONEI,COMT,LSTSRC,	MOD05880
1	REM,C,CIND	MOD05890
	COMMON/G/NGRD	MOD05900
	COMMON/INFO/TITLE,NAMFIL,NAMTYP	MOD05910
	COMMON/PRINT/IOUT	MOD05920
	REAL GONED(35,10),GONEI(35,10),GONEV(35,10)	MOD05930
	INTEGER DESSTR,MAXYRS,NSOURC,NCAT,NCONTR	MOD05940
	INTEGER PARSRC(10,5),PARCAT(15,5),PRMPAR(9,4)	MOD05950
	REAL SRCRET(10,3),RESRAT(35,15,10),TRNG(10,15),	MOD05960
	*GRADE(36,10,2)	MOD05970
	INTEGER NAMSRC(10,2),NAMCAT(15,2),TITLE(65),NAMFIL(2),NAMTYP(2)	MOD05980

REAL NWPROC(10),NEWNG(10,15),MST(10,15),P(10,15),T(10,15)	MOD05990
REAL SUBCAT(15,36,13),SUBSRC(10,36,13),FORCE(36,13)	MOD06000
REAL AVYOS(11),PRMOPP(35,15,10),GAINS(35,15,10,2)	MOD06010
REAL SURV(10,15,36),CONTR(10,8),CNTRCT(10,30),TOTALS(10,15,36)	MOD06020
REAL DEATH(35),DEATHS(35,10),DEAD,LOSSES(35,10)	MOD06030
REAL EXLIFE(18),RETPOP(18),TOTRET	MOD06040
REAL FACT1,FACT2,FACTOR	MOD06050
REAL CIND(21,15),TGAIN(16)	MOD06060
REAL COST(7,7,18),PAY(35,10),BUCKET,BUCK1,BUCK2,REEPY1,REEPY2	MOD06070
INTEGER E1,E2,G,I,J,K,M,COMT(10,15)	MOD06080
REAL CNSTNT,DUMP(13),HOLD(11),AGE(11),REM(15)	MOD06090
REAL COMPT(36,3),COMPD(36,3)	MOD06100
REAL TPROM(10,36,16)	MOD06110
REAL CUMFOR(10)	MOD06120
REAL GRDRAT(36,11),GRDIST(36,11)	MOD06130
REAL C(36,16)	MOD06140
REAL LOSS(36),MASTER(36)	MOD06150
INTEGER ANSWER,BLANK,YES,NO,TTL	MOD06160
REAL DES(10)	MOD06170
INTEGER LSTSRC(15)	MOD06180
INTEGER PRNTSW,COSTSW	MOD06190
REAL TERMLV(35,6)	MOD06200
REAL DCRMT(33,11)	MOD06210
INTEGER IYRRET(11)	MOD06220
INTEGER IDUM(8)	MOD06230
INTEGER GRDNM(10),GRDNM2(10)	MOD06240
DATA DEATH/	MOD06250
*.000985,.001579,.001940,.002628,.002933,	MOD06260
*.003090,.003060,.003009,.002954,.002886,	MOD06270
*.002765,.002675,.002568,.002488,.002397,	MOD06280
*.002315,.002255,.002238,.002292,.002449,	MOD06290
*.002317,.002316,.002391,.002717,.002791,	MOD06300
*.002958,.003174,.003408,.003700,.003709,	MOD06310
*.004033,.004639,.004972,.005407,.005701/	MOD06320
DATA EXLIFE/30.44,30.44,30.44,	MOD06330
*29.61,28.78,27.96,27.15,26.35,	MOD06340
*25.56,24.78,24.01,23.24,22.40,	MOD06350
*21.75,21.02,20.30,19.60,18.90/	MOD06360
	MOD06370
DATA BLANK/' '/,YES/'YES'/,NO/'NO'/,TTL/'TOTL'/	MOD06380
DATA GRDNM/'(1)', '(2)', '(3)', '(4)', '(5)', '(6)', '(7)',	MOD06390
1'(8)', '(9)', '(10)'/	MOD06400
DATA GRDNM2/'G 1', 'G 2', 'G 3', 'G 4', 'G 5', 'G 6', 'G 7', 'G 8',	MOD06410
1'G 9', 'G10'/'	MOD06420
NGRD2=NGRD+2	MOD06430
NGRD1=NGRD1+1	MOD06440

C

C		MOD06450
C	***** FORMAT STATEMENTS FOR CONVERSION *****	MOD06460
C		MOD06470
9000	FORMAT(2A4)	MOD06480
9001	FORMAT(1X,'DISPLAY RETENTION RATE RESOLUTION MATRICES???)	MOD06490
9002	FORMAT(1X,'DO YOU WANT TO USE THE COST ROUTINE???)	MOD06500
9003	FORMAT(1X,'ENTER COST FILES')	MOD06510
9004	FORMAT(1X,'MINIMUM YEARS OF SERVICE FOR RETIREMENT???)	MOD06520
9005	FORMAT(1X,'DO YOU WISH TO SET GRADES???)	MOD06530
9006	FORMAT(1X,'ENTER OPTION,TOL,GRADES ',10(A4,1X))	MOD06540
9007	FORMAT(1X,'DISPLAY LOSS TABLE???)	MOD06550
9008	FORMAT(1X,'GRAPH FORCE PROFILE???)	MOD06560
9009	FORMAT(1H1,1X,'INITIAL PROCUREMENT')	MOD06570
9010	FORMAT(//)	MOD06580
9011	FORMAT(1H1,1X,' ORGANIZATION IS')	MOD06590
9012	FORMAT(1X,'SAVE THE LOSS ARRAY??')	MOD06600
9013	FORMAT(1X,'FILENAME??')	MOD06610
9014	FORMAT(1X,'SOMETHING IS WRONG WITH ONE OF YOUR FILES')	MOD06620
9015	FORMAT(1X,'OUTPUT TO PRINTER(1) OR TERMINAL(0)??')	MOD06630
C		MOD06640
C	*****ASK WHERE TO ROUTE OUTPUT PRINTER DEFINED AS LUN 2*****	MOD06650
C		MOD06660
9020	CALL DISPCL	MOD06670
	WRITE(6,9015)	MOD06680
	READ(5,*) IOUT	MOD06690
	IF(IOUT.LT.0.OR.IOUT.GT.1)GO TO 9020	MOD06700
	IF(IOUT.EQ.0)IOUT=6	MOD06710
	IF(IOUT.EQ.1)IOUT=2	MOD06720
C		MOD06730
C	***** ASK IF WE WANT TO PRINT OUT RESOLUTION ARRAYS	MOD06740
	CALL DISPCL	MOD06750
	PRNTSW=0	MOD06760
	WRITE(6,9001)	MOD06770
	READ (5,9000)ANSWER	MOD06780
	IF (ANSWER .EQ. YES) PRNTSW=1	MOD06790
C		MOD06800
C	***** ASK IF THIS RUN SHOULD USE THE COST ROUTINE	MOD06810
	CALL DISPCL	MOD06820
	COSTSW = 0	MOD06830
	WRITE(6,9002)	MOD06840
	READ (5,9000)ANSWER	MOD06850
	IF (ANSWER.EQ.YES) COSTSW=1	MOD06860
C		MOD06870
C	***** ASK IF WE WANT TO SET GRADES	MOD06880
C		MOD06890
	IGRDSW=0	MOD06900

C WRITE(6,9005)	MOD06910
C READ (5,9000) ANSWER	MOD06920
C IF (ANSWER.EQ.NO) GO TO 11000	MOD06930
C IGRDSW=1	MOD06940
C	MOD06950
C **** READ GRADE SETTINGS FOR 04,05,06,TOLERANCE,AND OPTION	MOD06960
C	MOD06970
C OPTION: 2= FLOAT OPP.,FIX WINDOW 1=FLOAT WINDOW,FIX OPP.	MOD06980
C	MOD06990
C WRITE(6,9030)	MOD07000
C9030 FORMAT(1X,'HOW MANY GRADES TO BE SET??')	MOD07010
C READ(5,*) NDS	MOD07020
C WRITE(6,9006) (GRDNM(NGRD-I+1),I=1,NDS)	MOD07030
C READ(5,*) IOPTN,TOL,(DES(I),I=1,NDS)	MOD07040
C	MOD07050
C**** ASK FOR PRINT OPTION ON LOSS TABLE	MOD07060
C	MOD07070
C**** CURRENTLY REMOVED	MOD07080
C11000 WRITE(6,9007)	MOD07090
C READ (5,9000) ANSWER	MOD07100
C IF (ANSWER.EQ.YES) LOSSSW=1	MOD07110
C WRITE(6,9008)	MOD07120
C READ (5,9000) ANSWER	MOD07130
C IF(ANSWER.EQ.YES)GRPHSW=1	MOD07140
C11000 CONTINUE	MOD07150
C	MOD07160
C*****	MOD07170
C BEGIN INITIAL SETUP FOR MODEL RUN	MOD07180
C	MOD07190
C WE RETURN HERE FOR EVERY ITERATION IN MODEL	MOD07200
C	MOD07210
C*****	MOD07220
C	MOD07230
C13047 CALL MSETUP	MOD07240
C	MOD07250
C*****CALL ROUTINE TO CREATE SUBSTRUCTURE RESOLUTION ARRAYS	MOD07260
C	MOD07270
C CALL MSRCAT(PRNTSW)	MOD07280
C	MOD07290
C*****CALL ROUTINE TO COMPUTE NEW OPP. FOR GRADES	MOD07300
C	MOD07310
C IF(IGRDSW .EQ. 0)GO TO 11010	MOD07320
C CALL MCOPP(DES,NDS,TOL,IOPTN,IFLG)	MOD07330
C	MOD07340
C*****CHECK FLAG TO SEE IF WE ARE DONE*****	MOD07350
C	MOD07360

```

      IF(IFLG.EQ.1)GO TO 13047
C
C
C*****
C* THE FOLLOWING SECTIONS ARE USED FOR VARIOUS OUTPUT
C* REPORTING. SOME OF THESE SECTIONS HAVE BEEN TURNED
C* OFF FOR THE TIME BEING SINCE THEY LOOKED LIKE AFTER
C* THOUGHTS IN THE PREVIOUS MODEL.
C*****
C
C*****COLLECT PROCUREMENT*****
C
11010 DO 67 I=1,NSOURC
67   NWPROC(I)=0.0
      DO 68 I=1,NSOURC
      DO 68 J=1,NCAT
      NWPROC(I)=NWPROC(I)+P(I,J)
68   CONTINUE
C
C*****CALCULATE NEW TRAINING RATES*****
C
      DO 69 I=1,NSOURC
      DO 69 J=1,NCAT
      IF (NWPROC(I).EQ.0.0) GO TO 70
      NEWTNG(I,J)=P(I,J)/NWPROC(I)
      GO TO 69
70   NEWTNG(I,J)=0.0
69   CONTINUE
C
C*****PRINT OUT PROCUREMENT SUMMARY*****
C
      DO 250 IG=1,10
      DO 250 IY=1,36
      DO 250 IC=1,16
      TPROM(IG,IY,IC)=0.0
250  CONTINUE
C
C*** NOTE: TPROM IS A REUSABLE OUTPUT ARRAY ***
C
      TGAIN(16)=0.0
      DO 258 IC=1,NCAT
      TGAIN(IC)=SUBCAT(IC,1,3)
      DO 259 IG=1,10
      TGAIN(IC)=TGAIN(IC)-GAINS(1,IC,IG,2)
259  CONTINUE
      TGAIN(16)=TGAIN(16)+TGAIN(IC)

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MOD07370
 MOD07380
 MOD07390
 MOD07400
 MOD07410
 MOD07420
 MOD07430
 MOD07440
 MOD07450
 MOD07460
 MOD07470
 MOD07480
 MOD07490
 MOD07500
 MOD07510
 MOD07520
 MOD07530
 MOD07540
 MOD07550
 MOD07560
 MOD07570
 MOD07580
 MOD07590
 MOD07600
 MOD07610
 MOD07620
 MOD07630
 MOD07640
 MOD07650
 MOD07660
 MOD07670
 MOD07680
 MOD07690
 MOD07700
 MOD07710
 MOD07720
 MOD07730
 MOD07740
 MOD07750
 MOD07760
 MOD07770
 MOD07780
 MOD07790
 MOD07800
 MOD07810
 MOD07820

258	CONTINUE	MOD07830
	CALL HEADER(IOUT)	MOD07840
	WRITE(IOUT,260) (NAMCAT(J,1),J=1,NCAT),TTL	MOD07850
260	FORMAT(1X,1X,'GAINS',/, ' INITIAL ENTRY:',/,	MOD07860
	11X,'CATEGORY ',16(3X,A4))	MOD07870
	WRITE(IOUT,9010)	MOD07880
	DO 269 IT=1,2	MOD07890
	DO 270 IC=1,NCAT	MOD07900
	DO 270 IY=1,35	MOD07910
	DO 270 IG=1,10	MOD07920
	IF(IT.EQ.1.AND.IY.EQ.1)GO TO 270	MOD07930
	TPROM(IT,IY,IC)=TPROM(IT,IY,IC)+GAINS(IY,IC,IG,IT)	MOD07940
	TPROM(IT,36,IC)=TPROM(IT,36,IC)+GAINS(IY,IC,IG,IT)	MOD07950
	TPROM(IT,IY,16)=TPROM(IT,IY,16)+GAINS(IY,IC,IG,IT)	MOD07960
	TPROM(IT,36,16)=TPROM(IT,36,16)+GAINS(IY,IC,IG,IT)	MOD07970
270	CONTINUE	MOD07980
269	CONTINUE	MOD07990
	DO 275 IC=1,16	MOD08000
	TPROM(1,1,IC)=TPROM(1,1,IC)+TGAIN(IC)	MOD08010
	TPROM(1,36,IC)=TPROM(1,36,IC)+TGAIN(IC)	MOD08020
275	CONTINUE	MOD08030
C		MOD08040
	DO 280 IY=1,35	MOD08050
	WRITE(IOUT,282) IY,(TPROM(1,IY,IC),IC=1,NCAT),TPROM(1,IY,16)	MOD08060
280	CONTINUE	MOD08070
282	FORMAT(1X,I4,7X,16F7.0)	MOD08080
	WRITE(IOUT,283) TTL,(TPROM(1,36,IC),IC=1,NCAT),TPROM(1,36,16)	MOD08090
283	FORMAT(/,1X,A4,7X,16F7.0)	MOD08100
	CALL HEADER(IOUT)	MOD08110
	WRITE(IOUT,284) (NAMCAT(J,1),J=1,NCAT),TTL	MOD08120
284	FORMAT(1X,'GAINS',/, ' LATERAL ENTRY:',/,	MOD08130
	11X,'CATEGORY ',16(3X,A4))	MOD08140
	WRITE(IOUT,9010)	MOD08150
	DO 286 IY=1,35	MOD08160
	WRITE(IOUT,282) IY,(TPROM(2,IY,IC),IC=1,NCAT),TPROM(2,IY,16)	MOD08170
286	CONTINUE	MOD08180
	WRITE(IOUT,283) TTL,(TPROM(2,36,IC),IC=1,NCAT),TPROM(2,36,16)	MOD08190
	DO 287 IC=1,16	MOD08200
	DO 287 IY=1,36	MOD08210
	TPROM(3,IY,IC)=TPROM(1,IY,IC)+TPROM(2,IY,IC)	MOD08220
287	CONTINUE	MOD08230
	CALL HEADER(IOUT)	MOD08240
	WRITE(IOUT,289) (NAMCAT(J,1),J=1,NCAT),TTL	MOD08250
289	FORMAT(1X,'SUMMARY OF ALL GAINS',/, ' INITIAL & LATERAL ENTRY',	MOD08260
	1//,1X,'CATEGORY ',16(3X,A4))	MOD08270
	WRITE(IOUT,9010)	MOD08280

	DO 290 IY=1,35	MOD08290
	WRITE(IOUT,282) IY,(TPROM(3,IY,IC),IC=1,NCAT),TPROM(3,IY,16)	MOD08300
290	CONTINUE	MOD08310
	WRITE(IOUT,283) TTL,(TPROM(3,36,IC),IC=1,NCAT),TPROM(3,36,16)	MOD08320
C		MOD08330
C	PRINT SUMMARY OF STRENGTHS	MOD08340
C		MOD08350
	CALL HEADER(IOUT)	MOD08360
	NGR3=NGRD+3	MOD08370
	WRITE(IOUT,108) (GRDNM2(K3),K3=1,NGRD)	MOD08380
108	FORMAT(1X,1X,'NAME',11X,'CNTRCT',2X,'TOTAL ',10(4X,A3,2X))	MOD08390
	WRITE(IOUT,5005) TTL,C(36,16),(FORCE(36,M),M=3,NGR3)	MOD08400
	DO 5002 I=1,NSOURC	MOD08410
	WRITE(IOUT,5003) NAMSRC(I,1),(SUBSRC(I,36,M),M=3,NGR3)	MOD08420
5002	CONTINUE	MOD08430
C		MOD08440
	DO 5004 J=1,NCAT	MOD08450
	WRITE(IOUT,5005) NAMCAT(J,1),C(36,J),(SUBCAT(J,36,M),M=3,NGR3)	MOD08460
5004	CONTINUE	MOD08470
C		MOD08480
5005	FORMAT(/,1X,A4,8X,12F9.0)	MOD08490
5003	FORMAT(/,1X,A4,17X,11F9.0)	MOD08500
	DO 499 IG=1,10	MOD08510
	DO 499 IY=1,36	MOD08520
	DO 499 IC=1,16	MOD08530
	TPROM(IG,IY,IC)=0.0	MOD08540
499	CONTINUE	MOD08550
C		MOD08560
	DO 500 IG=1,9	MOD08570
	DO 501 IY=1,35	MOD08580
	DO 502 IC=1,NCAT	MOD08590
	TPROM(IG,IY,IC)=PRMOPP(IY,IC,IG)*SUBCAT(IC,IY,IG+3)	MOD08600
	TPROM(IG,IY,16)=TPROM(IG,IY,16)+TPROM(IG,IY,IC)	MOD08610
	TPROM(IG,36,IC)=TPROM(IG,36,IC)+TPROM(IG,IY,IC)	MOD08620
	TPROM(10,IY,IC)=TPROM(10,IY,IC)+TPROM(IG,IY,IC)	MOD08630
	TPROM(10,IY,16)=TPROM(10,IY,16)+TPROM(IG,IY,IC)	MOD08640
	TPROM(IG,36,16)=TPROM(IG,36,16)+TPROM(IG,IY,IC)	MOD08650
	TPROM(10,36,16)=TPROM(10,36,16)+TPROM(IG,IY,IC)	MOD08660
	TPROM(10,16,IC)=TPROM(10,36,IC)+TPROM(IG,IY,IC)	MOD08670
502	CONTINUE	MOD08680
501	CONTINUE	MOD08690
500	CONTINUE	MOD08700
	WRITE(IOUT,505) (TPROM(IG,36,16),IG=1,9)	MOD08710
505	FORMAT(/,1X,'PROMOTION SUMMARY',/,	MOD08720
	11X,' TO G-2 TO G-3 TO G-4 TO G-5 TO G-6 TO G-7 TO G-8',	MOD08730
	21X,' TO G-9 TO G-10',/,1X,9F8.0)	MOD08740

C***** NOW PRINT OUT TOTAL FORCE PROFILE*****

C

WRITE(10UT,9011)

C

C***** PRINT OUT FORCE PROFILE *****

C

CALL FPRINT(C,FORCE,35,3,NGRD)

C

C*****

C* FOLLOWING SECTIONS ARE CURRENTLY REMOVED

C*****

C

C***** MODIFICATIONS NECESSARY TO MAKE FOLLOWING CODE OPERATIVE***

C

C* DO 9601 K=1,35

C* DO 9601 M=3,NGRD2

C* AVYOS(M-2)=AVYOS(M-2)+FORCE(K,M)*(K-.5)

C*9601 CONTINUE

C* CUMFOR(5)=FORCE(36,8)

C* DO 97 M=3,8

C* IF(M.LT.5)GO TO 9701

C* CUMFOR(9-M)=FORCE(36,12-M)+CUMFOR(10-M)

C*9701 CONTINUE

C* AVYOS(M-2)=AVYOS(M-2)/FORCE(36,M)

C*97 CONTINUE

C* WRITE(6,9801) (AVYOS(I),I=1,6)

C*9801 FORMAT(//,1X,'AVG YOS: TOT FORCE=',F4.1,' LTS=',F4.1,

C* ' CPT=',F4.1,' MAJ=',F4.1,' LTC=',F4.1,' COL=',F4.1,//)

C* IF (LOSSSW.EQ.0) GO TO 8100

C*8115 WRITE(6,8110)

C*8110 FORMAT(1H ,5X,19HLOSSES DUE TO DEATH,7X,

C* *18HINVOLUNTARY LOSSES,9X,16HVOLUNTARY LOSSES)

C* WRITE(6,8111)

C*8111 FORMAT(3H YR,3(' LTS CPT MAJ LTC COL '))

C* DO 8112 JJ = 1,35

C* WRITE(6,8113) JJ,(GONED(JJ,N),N=1,5),

C* *(GONEI(JJ,N),N=1,5),(GONEV(JJ,N),N=1,5)

C*8112 CONTINUE

C*8113 FORMAT(1H ,12,5F5.0,1X,5F5.0,1X,5F5.0)

C* DO 8090 I=1,35

C* DO 8090 J=1,5

C*8090 TPROM(J)=TPROM(J)+GONED(I,J)+GONEI(I,J)+GONEV(I,J)

C* DO 8091 I=1,4

C*8091 TPROM(5-I)=TPROM(5-I)+TPROM(6-I)

C* WRITE(6,8092)

C*8092 FORMAT(//,12X,'TOTAL',6X,'UTILIZATION',/,

MOD08750

MOD08760

MOD08770

MOD08780

MOD08790

MOD08800

MOD08810

MOD08820

MOD08830

MOD08840

MOD08850

MOD08860

MOD08870

MOD08880

MOD08890

MOD08900

MOD08910

MOD08920

MOD08930

MOD08940

MOD08950

MOD08960

MOD08970

MOD08980

MOD08990

MOD09000

MOD09010

MOD09020

MOD09030

MOD09040

MOD09050

MOD09060

MOD09070

MOD09080

MOD09090

MOD09100

MOD09110

MOD09120

MOD09130

MOD09140

MOD09150

MOD09160

MOD09170

MOD09180

MOD09190

MOD09200

C*	*11X,'PROMOTED',4X,'AFTER PROM.',3X,'TURNOVER',/)	MOD09210
C*	DO 8093 I=2,5	MOD09220
C*	TUTIL=CUMFOR(I)/TPROM(I)	MOD09230
C*	TOVER=1.0/TUTIL	MOD09240
C*	ITEMP1 = I+1	MOD09250
C*	WRITE(6,8094) ITEMP1,TPROM(I),TUTIL,TOVER	MOD09260
C*8094	FORMAT(4X,'O-',I1,4X,F6.0,6X,F7.1,7X,F6.2)	MOD09270
C*8093	CONTINUE	MOD09280
C*	WRITE (6,9000) BLANK	MOD09290
C*	DO 8141 I=1,30	MOD09300
C*	DO 8141 J=1,5	MOD09310
C*	DCRMT(I,9)=DCRMT(I,9)+GONED(I,J)	MOD09320
C*	DCRMT(I,10)=DCRMT(I,10)+GONEI(I,J)	MOD09330
C*	DCRMT(I,11)=DCRMT(I,11)+GONEV(I,J)	MOD09340
C*8141	CONTINUE	MOD09350
C*	DO 8142 I=18,30	MOD09360
C*	DCRMT(I,11)=DCRMT(I,11)+DCRMT(I,10)	MOD09370
C*	DCRMT(I,10)=0.0	MOD09380
C*8142	CONTINUE	MOD09390
C*	DCRMT(1,1)=FORCE(1,3)	MOD09400
C*	DO 8143 I=2,31	MOD09410
C*	DCRMT(I,1)=FORCE(I-1,3)	MOD09420
C*	DCRMT(I-1,2)=FORCE(I-1,3)	MOD09430
C*	DCRMT(I,5)=DCRMT(I-1,9)	MOD09440
C*	DCRMT(I,7)=DCRMT(I-1,10)	MOD09450
C*	IF (I.GT.18) GO TO 8144	MOD09460
C*	DCRMT(I,6)=DCRMT(I-1,11)	MOD09470
C*	GO TO 8143	MOD09480
C*8144	DCRMT(I,8)=DCRMT(I-1,11)	MOD09490
C*8143	CONTINUE	MOD09500
C*	DO 8145 I=1,32	MOD09510
C*	DCRMT(I,3)=(DCRMT(I,1)+DCRMT(I,2))/2.0	MOD09520
C*	DCRMT(I,4)=DCRMT(I,1)-DCRMT(I,2)	MOD09530
C*	DO 8145 J=1,8	MOD09540
C*	DCRMT(33,J)=DCRMT(33,J)+DCRMT(I,J)	MOD09550
C*8145	CONTINUE	MOD09560
C*	WRITE(6,8148)	MOD09570
C*8148	FORMAT(' CYOS BEGIN END AVERAGE TOTAL DEATH',	MOD09580
C*	*' VOLSEP INVSEP RETMT')	MOD09590
C*	FDCRMT=100000./DCRMT(1,1)	MOD09600
C*	DO 8146 I=1,33	MOD09610
C*	ITEMP1 = I-1	MOD09620
C*	DO 8250 JT=1,8	MOD09630
C*8250	IDUM(JT) = DCRMT(I,JT)*FDCRMT+0.5	MOD09640
C*8146	WRITE(6,8147) ITEMP1,(IDUM(J),J=1,8)	MOD09650
C*8147	FORMAT(I5,8I9)	MOD09660

C*8100	CONTINUE	MOD09670
C*8100	IF(GRPHSW.EQ.1)CALL %CHAIN('RICH4')	MOD09680
C*****		MOD09690
C		MOD09700
C*****	FOLLOWING SECTIONS PRINT OUT SOURCE AND CATEGORY ARRAYS	MOD09710
C		MOD09720
	DO 2002 I=1,NSOURC	MOD09730
C	WRITE(IOUT,2003) NAMSRC(I,1)	MOD09740
2003	FORMAT(1H1,1X,'SUBTOTALS FOR SOURCE=',A4,',(ALL CATEGORIES)')	MOD09750
C		MOD09760
C	CALL SPRINT(SUBSRC,35,1,3,NGRD)	MOD09770
C		MOD09780
2002	CONTINUE	MOD09790
C		MOD09800
	DO 2004 J=1,NCAT	MOD09810
C	WRITE(IOUT,2005)NAMCAT(J,1)	MOD09820
2005	FORMAT(1H1,1X,'SUBTOTALS FOR CATEGORY=',A4,',(ALL SOURCES)')	MOD09830
C		MOD09840
C	CALL CPRINT(C,SUBCAT,35,J,3,NGRD)	MOD09850
C		MOD09860
2004	CONTINUE	MOD09870
C		MOD09880
	WRITE(46) NGRD,NCAT,NAMCAT,TITLE,NAMFIL,NAMTYP	MOD09890
	WRITE(46) SUBCAT	MOD09900
C		MOD09910
777	STOP	MOD09920
	END	MOD09930
C		MOD09940
C*****		MOD09950
C		MOD09960
	SUBROUTINE MSETUP	MOD09970
	COMMON DESSTR,MAXYRS,NSOURC,NCAT	MOD09980
	COMMON PARSRC,PARCAT,PRMPAR,SRCRET,RESRAT,TRNG,GRADE	MOD09990
	COMMON NAMSRC,NAMCAT	MOD10000
	COMMON NWPROC,NEWTNG,MST,P,T,SUBCAT,SUBSRC,FORCE,TOTALS,SURV	MOD10010
	COMMON NCONTR,CONTR,CNTRCT	MOD10020
	COMMON/P/PRNOPP,GAINS	MOD10030
C		MOD10040
	COMMON/S/TOTRET,RETPOP,COST,GONED,GONEV,GONEI,COMT,LSTSRC,	MOD10050
1	REM,C,CIND	MOD10060
	COMMON/G/NGRD	MOD10070
	COMMON/INFO/TITLE,NAMFIL,NAMTYP	MOD10080
	COMMON/PRINT/IOUT	MOD10090
	REAL GONED(35,10),GONEI(35,10),GONEV(35,10)	MOD10100
	INTEGER DESSTR,MAXYRS,NSOURC,NCAT,NCONTR	MOD10110
	INTEGER PARSRC(10,5),PARCAT(15,5),PRMPAR(9,4)	MOD10120

REAL SRCRET(10,3),RESRAT(35,15,10),TRNG(10,15),	MOD10130
*GRADE(36,10,2)	MOD10140
INTEGER NAMSRC(10,2),NAMCAT(15,2)	MOD10150
REAL NWPROC(10),NEWTNG(10,15),MST(10,15),P(10,15),T(10,15)	MOD10160
REAL SUBCAT(15,36,13),SUBSRC(10,36,13),FORCE(36,13)	MOD10170
REAL AVYOS(11)	MOD10180
REAL SURV(10,15,36),CONTR(10,8),CNTRCT(10,30),TOTALS(10,15,36)	MOD10190
REAL DEATH(35),DEATHS(35,10),DEAD,LOSSES(35,10)	MOD10200
REAL EXLIFE(18),RETPOP(18),TOTRET	MOD10210
REAL FACT1,FACT2,FACTOR	MOD10220
REAL CIND(21,15)	MOD10230
REAL COST(7,7,18),PAY(35,10),BUCKET,BUCK1,BUCK2,REEPY1,REEPY2	MOD10240
INTEGER E1,E2,G,I,J,K,M,COMT(10,15)	MOD10250
REAL CNSTNT,DUMP(13),HOLD(11),AGE(11),REM(15)	MOD10260
REAL COMPRT(36,3),COMPD(36,3)	MOD10270
REAL TPROM(10,36,16)	MOD10280
REAL CUMFOR(10)	MOD10290
REAL GRDRAT(36,11),GRDIST(36,11)	MOD10300
REAL C(36,16)	MOD10310
REAL LOSS(36),MASTER(36)	MOD10320
INTEGER ANSWER,BLANK,YES,NO,TTL	MOD10330
INTEGER LSTSRC(15)	MOD10340
INTEGER PRNTSW,COSTSW	MOD10350
REAL TERMLV(35,6)	MOD10360
REAL DCRMT(33,11)	MOD10370
INTEGER IYRRET(11)	MOD10380
INTEGER IDUM(8)	MOD10390
DATA DEATH/	MOD10400
*.000985,.001579,.001940,.002628,.002933,	MOD10410
*.003090,.003060,.003009,.002954,.002886,	MOD10420
*.002765,.002675,.002568,.002488,.002397,	MOD10430
*.002315,.002255,.002238,.002292,.002449,	MOD10440
*.002317,.002316,.002391,.002717,.002791,	MOD10450
*.002958,.003174,.003408,.003700,.003709,	MOD10460
*.004033,.004639,.004972,.005407,.005701/	MOD10470
DATA EXLIFE/30.44,30.44,30.44,	MOD10480
*29.61,28.78,27.96,27.15,26.35,	MOD10490
*25.56,24.78,24.01,23.24,22.40,	MOD10500
*21.75,21.02,20.30,19.60,18.90/	MOD10510
C DATA BLANK/' '/,YES/'YES'/,NO/'NO'/,TTL/'TOTL'/	MOD10520
C	MOD10530
C*****BEGIN SETUP*****	MOD10540
C	MOD10550
TOTRET=0.0	MOD10560
DO 11033 K=1,18	MOD10570
	MOD10580

RETPOP(K)=0.0	MOD10590
11033 CONTINUE	MOD10600
C	MOD10610
12020 DO 11030 I=1,36	MOD10620
DO 11030 J=1,13	MOD10630
FORCE(I,J)=0	MOD10640
DO 11030 K=1,10	MOD10650
SUBSRC(K,I,J)=0	MOD10660
11030 CONTINUE	MOD10670
C	MOD10680
12010 DO 11031 I=1,7	MOD10690
DO 11031 J=1,7	MOD10700
DO 11031 K=1,13	MOD10710
COST(I,J,K)=0	MOD10720
11031 CONTINUE	MOD10730
C	MOD10740
12000 DO 11032 I=1,36	MOD10750
DO 11032 J=1,13	MOD10760
DO 11032 K=1,15	MOD10770
SUBCAT(K,I,J)=0	MOD10780
11032 CONTINUE	MOD10790
DO 8119 K = 1,35	MOD10800
DO 8119 M = 1,10	MOD10810
GONED(K,M) = 0.0	MOD10820
GONEI(K,M) = 0.0	MOD10830
GONEV(K,M) = 0.0	MOD10840
8119 CONTINUE	MOD10850
C COMPUTE PROCUREMENT AND COMMITMENT ARRAYS	MOD10860
DO 10 I=1,NSOURC	MOD10870
DO 10 J=1,NCAT	MOD10880
P(I,J)=PARSRC(I,1)*TRNG(I,J)	MOD10890
COMT(I,J)=MAX0(PARSRC(I,5),(PARCAT(J,3)+PARCAT(J,4)))	MOD10900
10 CONTINUE	MOD10910
DO 81 J=1,NCAT	MOD10920
DO 82 I=1,NSOURC	MOD10930
E1=NSOURC+1-I	MOD10940
IF (TRNG(E1,J).NE.0.0) GO TO 83	MOD10950
82 CONTINUE	MOD10960
83 LSTSRC(J)=E1	MOD10970
81 CONTINUE	MOD10980
C INITIALIZE REMAINDER ARRAY	MOD10990
DO 11 J=1,NCAT	MOD11000
11 REM(J)=PARCAT(J,1)	MOD11010
C COMPUTE CNTRCTS & DEDUCT FROM REMAINDER ARRAY	MOD11020
C	MOD11030
DO 102 J=1,NCAT	MOD11040

DO 103 I=1,NCONTR	MOD11050
IF (INT(CONTR(I,5)).NE.J) GO TO 103	MOD11060
DO 104 K=1,30	MOD11070
104 C(K,J)=C(K,J)+CNTRCT(I,K)	MOD11080
103 CONTINUE	MOD11090
DO 105 K=1,30	MOD11100
105 C(36,J)=C(36,J)+C(K,J)	MOD11110
102 CONTINUE	MOD11120
DO 106 K=1,36	MOD11130
DO 106 J=1,NCAT	MOD11140
106 C(K,7)=C(K,7)+C(K,J)	MOD11150
DO 107 J=1,NCAT	MOD11160
107 REM(J)=REM(J)-C(36,J)	MOD11170
C	MOD11180
IF(NCONTR .LE. 0)GO TO 9999	MOD11190
DO 6300 M=1,NCONTR	MOD11200
IF (CONTR(M,7).EQ.2.0) GO TO 6300	MOD11210
E1=CONTR(M,1)	MOD11220
E2=CONTR(M,1)+CONTR(M,3)-1	MOD11230
J=CONTR(M,5)	MOD11240
DO 6301 K=E1,E2	MOD11250
6301 CIND(K,J)=1	MOD11260
CIND(21,J)=CONTR(M,4)	MOD11270
6300 CONTINUE	MOD11280
C	MOD11290
C*****RETURN FROM WHENCE WE CAME *****	MOD11300
C	MOD11310
9999 RETURN	MOD11320
END	MOD11330
SUBROUTINE MSRCAT(PRNTSW)	MOD11340
C	MOD11350
C*****	MOD11360
C*	MOD11370
C* THIS ROUTINE IS USED TO COMPUTE THE RESOLUTION ARRAYS	MOD11380
C* FOR EACH SOURCE AND CATEGORY	MOD11390
C*	MOD11400
C*****	MOD11410
C	MOD11420
COMMON DESSTR,MAXYRS,NSOURC,NCAT	MOD11430
COMMON PARSRC,PARCAT,PRMPAR,SRCRET,RESRAT,TRNG,GRADE	MOD11440
COMMON NAMSRC,NAMCAT	MOD11450
COMMON NWPROC,NEWTRNG,MST,P,T,SUBCAT,SUBSRC,FORCE,TOTALS,SURV	MOD11460
COMMON NCONTR,CONTR,CNTRCT	MOD11470
COMMON/P/PRMOPP,GAINS	MOD11480
C	MOD11490
COMMON/S/TOTRET,RETPOP,COST,GONED,GONEV,GONEI,COMT,LSTSRC,	MOD11500

1 REM,C,CIND	MOD11510
COMMON/G/NGRD	MOD11520
COMMON/INFO/TITLE,NAMFIL,NAMTYP	MOD11530
COMMON/PRINT/IOUT	MOD11540
REAL GONED(35,10),GONEI(35,10),GONEV(35,10)	MOD11550
INTEGER DESSTR,MAXYRS,NSOURC,NCAT,NCONTR	MOD11560
INTEGER PARSRC(10,5),PARCAT(15,5),PRMPAR(9,4)	MOD11570
REAL SRCRET(10,3),RESRAT(35,15,10),TRNG(10,15),	MOD11580
*GRADE(36,10,2)	MOD11590
INTEGER NAMSRC(10,2),NAMCAT(15,2)	MOD11600
REAL NWPROC(10),NEWTNG(10,15),MST(10,15),P(10,15),T(10,15)	MOD11610
REAL SUBCAT(15,36,13),SUBSRC(10,36,13),FORCE(36,13)	MOD11620
REAL AVYOS(11)	MOD11630
REAL SURV(10,15,36),CONTR(10,8),CNTRCT(10,30),TOTALS(10,15,36)	MOD11640
REAL DEATH(35),DEATHS(35,10),DEAD,LOSSEE(35,10)	MOD11650
REAL EXLIFE(18),RETPOP(18),TOTRET	MOD11660
REAL FACT1,FACT2,FACTOR	MOD11670
REAL CIND(21,15),PRMOPP(35,15,10),GAINS(35,15,10,2),CATG(15,36,13)	MOD11680
REAL COST(7,7,18),PAY(35,10),BUCKET,BUCK1,BUCK2,REEPY1,REEPY2	MOD11690
INTEGER E1,E2,G,I,J,K,M,COMT(10,15)	MOD11700
REAL CNSTNT,DUMP(13),HOLD(11),AGE(11),REM(15)	MOD11710
REAL TPROM(10,36,16)	MOD11720
REAL CUMFOR(10)	MOD11730
REAL GRDRAT(36,11),GRDIST(36,11)	MOD11740
REAL C(36,16)	MOD11750
REAL LOSS(36),MASTER(36)	MOD11760
INTEGER ANSWER,BLANK,YES,NO,TTL	MOD11770
INTEGER LSTSRC(15)	MOD11780
INTEGER PRNTSW,COSTSW	MOD11790
REAL TERMLV(35,6)	MOD11800
REAL DCRMT(33,11)	MOD11810
INTEGER IYRRET(11)	MOD11820
INTEGER IDUM(8)	MOD11830
DATA DEATH/	MOD11840
*.000985,.001579,.001940,.002628,.002933,	MOD11850
*.003090,.003060,.003009,.002954,.002886,	MOD11860
*.002765,.002675,.002568,.002488,.002387,	MOD11870
*.002315,.002255,.002238,.002292,.002449,	MOD11880
*.002317,.002316,.002391,.002717,.002791,	MOD11890
*.002958,.003174,.003408,.003700,.003709,	MOD11900
*.004033,.004639,.004972,.005407,.005701/	MOD11910
DATA EXLIFE/30.44,30.44,30.44,	MOD11920
*29.61,28.78,27.96,27.15,26.35,	MOD11930
*25.56,24.78,24.01,23.24,22.40,	MOD11940
*21.75,21.02,20.30,19.60,18.90/	MOD11950
	MOD11960

C

DATA BLANK/' '/,YES/'YES'/,NO/'NO'/,TTL/'TOTL'/	MOD11970
NGRD1=NGRD-1	MOD11980
IQRMC=1	MOD11990
C	MOD12000
C*****	MOD12010
C BEGIN RESOLUTION OF SUBSTRUCTURES	MOD12020
C*****	MOD12030
C	MOD12040
DO 1000 I=1,NSOURC	MOD12050
DO 999 J=1,NCAT	MOD12060
C	MOD12070
C*****	MOD12080
C THIS SECTION COMPUTES GRADE DISTRIBUTION ARRAY	MOD12090
C*****	MOD12100
C	MOD12110
CALL MDIST(GRCDIST,GRDRAT,RESRAT,J,NGRD)	MOD12120
C	MOD12130
WRITE(IOUT,7079) NAMCAT(J,1)	MOD12140
7079 FORMAT(1X,'ENTERING MGDIST CAT=',A4)	MOD12150
CALL MGDIST(RESRAT,J,GSUM,CATG,PRNTSW,NGRD)	MOD12160
GC WRITE(6,7080) GSUM	MOD12170
7080 FORMAT(1X,'RETURN FROM MGDIST GSUM=',F8.0)	MOD12180
IF(GSUM.LT.REM(J))GO TO 500	MOD12190
WRITE(IOUT,7081) NAMCAT(J,1),GSUM,REM(J)	MOD12200
7081 FORMAT(1X,'***** WARNING *****',/,	MOD12210
11X,'FOR CATEGORY = ',A4,/,	MOD12220
21X,'CONTRIBUTION OF GAINS FOR YOS 2-36 =',F9.0,/,	MOD12230
31X,'DESIRED STRENGTH SPECIFIED FOR CAT =',F9.0,//)	MOD12240
C	MOD12250
500 REM(J) = REM(J) - GSUM	MOD12260
IF(REM(J).LE.0.0)REM(J)=0.0	MOD12270
C	MOD12280
IF(P(I,J).LE.0.0)GO TO 999	MOD12290
C	MOD12300
C NOW COMPUTE TOTAL FORCE RETENTION VECTOR	MOD12310
C	MOD12320
DO 51 K=1,36	MOD12330
LOSS(K)=GRDRAT(K,11)	MOD12340
51 CONTINUE	MOD12350
C	MOD12360
C INSERT PRINT SELECT SWITCH FOR RETENTION RATE RESOLUTION	MOD12370
IF (PRNTSW.EQ.0) GO TO 77	MOD12380
WRITE(IOUT,76) NAMSRC(I,1),NAMCAT(J,1)	MOD12390
76 FORMAT(//,' SUBSTRUCTURE=',A4,',',A4//)	MOD12400
C	MOD12410
C*****	MOD12420

C		MOD12430
	CALL RPRINT(GRDRAT,35,NGRD)	MOD12440
C		MOD12450
C	*****	MOD12460
C		MOD12470
77	CONTINUE	MOD12480
C	NOW CONVERT TO SURVIVAL RATES	MOD12490
	DO 52 K=2,36	MOD12500
52	LOSS(K)=LOSS(K)*LOSS(K-1)	MOD12510
C	THIS CAPTURES THE SURVIVAL RATES BEFORE THEY ARE LOST	MOD12520
	DO 90 K=1,36	MOD12530
90	SURV(I,J,K)=LOSS(K)	MOD12540
C	COMPUTE MEAN SERVICE TIME	MOD12550
	MST(I,J)=0.0	MOD12560
	DO 53 K=1,36	MOD12570
	MST(I,J)=MST(I,J)+LOSS(K)	MOD12580
53	CONTINUE	MOD12590
C	NOW RETURN BACK OUT OF MAIN LOOP	MOD12600
	T(I,J)=MST(I,J)*P(I,J)	MOD12610
	IF (T(I,J).GT.REM(J)) GO TO 54	MOD12620
	IF (I.EQ.LSTSRC(J)) GO TO 54	MOD12630
	REM(J)=REM(J)-T(I,J)	MOD12640
	GO TO 55	MOD12650
54	T(I,J)=REM(J)	MOD12660
	REM(J)=0.0	MOD12670
	P(I,J)=T(I,J)/MST(I,J)	MOD12680
	IF (I.EQ.NSOURC) GO TO 55	MOD12690
	E1=I+1	MOD12700
	DO 56 K=E1,NSOURC	MOD12710
56	P(K,J)=0.0	MOD12720
55	CONTINUE	MOD12730
C	NOW SPREAD INITIAL PROCUREMENT OVER THE ARRAY	MOD12740
	DO 57 K=1,36	MOD12750
	LOSS(K)=LOSS(K)*P(I,J)	MOD12760
	DO 59 M=1,NGRD	MOD12770
59	GRDIST(K,M)=GRDIST(K,M)*LOSS(K)	MOD12780
57	CONTINUE	MOD12790
C	COMPUTE TOTAL, TOTAL BY GRADE, AVG SERVICE	MOD12800
C		MOD12810
	LOSS(36)=0.0	MOD12820
	DO 60 M=1,NGRD	MOD12830
	GRDIST(36,M)=0.0	MOD12840
60	CONTINUE	MOD12850
	DO 61 M=1,13	MOD12860
61	DUMP(M)=0.0	MOD12870
	DO 62 K=1,35	MOD12880

CNSTNT=K-.5	MOD12890
LOSS(36)=LOSS(36)+LOSS(K)	MOD12900
DUMP(3)=DUMP(3)+LOSS(K)*CNSTNT	MOD12910
DO 63 M=1,NGRD	MOD12920
GRDIST(36,M)=GRDIST(36,M)+GRDIST(K,M)	MOD12930
63 DUMP (M+3)=DUMP(M+3)+GRDIST(K,M)*CNSTNT	MOD12940
62 CONTINUE	MOD12950
C CALCULATE AVG YEARS SERVICE	MOD12960
IF (LOSS(36).EQ.0.0) GO TO 98	MOD12970
DUMP(3)=DUMP(3)/LOSS(36)	MOD12980
98 CONTINUE	MOD12990
DO 65 M=1,NGRD	MOD13000
IF (GRDIST(36,M).EQ.0.0) GO TO 65	MOD13010
DUMP(M+3)=DUMP(M+3)/GRDIST(36,M)	MOD13020
65 CONTINUE	MOD13030
C CALCULATE AVERAGE AGE TOTAL AND BY GRADE	MOD13040
AGE(1)=PARSRC(I,4)+DUMP(3)	MOD13050
DO 66 M=1,NGRD	MOD13060
66 AGE(M+1)=PARSRC(I,4)+DUMP(M+3)	MOD13070
C INSERT OTHLX SUMMARY CALCULATIONS HERE	MOD13080
IF(COSTSW.EQ.0) GO TO 8136	MOD13090
8136 CONTINUE	MOD13100
C CALCULATE LOSSES	MOD13110
DO 216 K=1,35	MOD13120
DO 216 M=1,NGRD	MOD13130
216 LOSSES(K,M)=GRDIST(K,M)*(1.0-GRDRAT(K+1,M))	MOD13140
DEAD=0.0	MOD13150
DO 218 K=1,35	MOD13160
DO 218 M=1,NGRD	MOD13170
DEATHS(K,M)=GRDIST(K,M)*DEATH(K)	MOD13180
DEAD=DEAD+DEATHS(K,M)	MOD13190
GONED(K,M) = GONED(K,M) + DEATHS(K,M)	MOD13200
218 LOSSES(K,M)=LOSSES(K,M)-DEATHS(K,M)	MOD13210
C SPLIT SEPARATIONS (PUT INVOLUNTARY INTO DEATHS-ARRAY)	MOD13220
C ZERO DEATHS OUT FIRST	MOD13230
DO 219 K=1,35	MOD13240
DO 219 M=1,NGRD	MOD13250
219 DEATHS(K,M)=0.0	MOD13260
C NOW PICK UP NON-PROMOTEE FORCE-OUTS	MOD13270
DO 8121 M = 1,NGRD1	MOD13280
K = PRMPAR(M,3)	MOD13290
GONEI(K,M) = GONEI(K,M) + LOSSES(K,M)	MOD13300
8121 CONTINUE	MOD13310
DO 8123 K = 1,35	MOD13320
DO 8123 M = 1,NGRD	MOD13330
GONEV(K,M) = GONEV(K,M) + LOSSES(K,M)	MOD13340

	IF(M.EQ.NGRD)GO TO 8123	MOD13350
	IF(K.GE.PRMPAR(M,3)) GONEV(K,M) = 0.0	MOD13360
8123	CONTINUE	MOD13370
	DO 220 M = 1,NGRD1	MOD13380
	K=PRMPAR(M,3)	MOD13390
C	IF(K.GT.INVSEP)GO TO 220	MOD13400
	IF(K.GT.20)GO TO 220	MOD13410
	DEATHS(K,M)=LOSSES(K,M)	MOD13420
	LOSSES(K,M)=0.0	MOD13430
220	CONTINUE	MOD13440
C	CAPTURE THE TOTALS HERE	MOD13450
C		MOD13460
	DO 92 K=1,36	MOD13470
	SUBSRC(I,K,3)=SUBSRC(I,K,3)+LOSS(K)	MOD13480
	SUBCAT(J,K,3)=SUBCAT(J,K,3)+LOSS(K)+CATG(J,K,3)	MOD13490
	TOTALS(I,J,K)=LOSS(K)	MOD13500
	DO 93 M=1,NGRD	MOD13510
	SUBSRC(I,K,M+3)=SUBSRC(I,K,M+3)+GRDIST(K,M)	MOD13520
	SUBCAT(J,K,M+3)=SUBCAT(J,K,M+3)+GRDIST(K,M)+CATG(J,K,M+3)	MOD13530
93	CONTINUE	MOD13540
92	CONTINUE	MOD13550
C	WRITE(6,100) NAMSRC(I,1),NAMCAT(J,1)	MOD13560
C100	FORMAT(' SUBSTRUCTURE FINISHED SOURCE=',A4,',CATEGORY=',A4)	MOD13570
C		MOD13580
999	CONTINUE	MOD13590
1000	CONTINUE	MOD13600
C		MOD13610
C	WE ARE NOW FINISHED WITH ALL SOURCES& CATEGORIES	MOD13620
C	COMPUTE TOTAL FORCE HERE	MOD13630
C		MOD13640
	DO 940 I=1,NCAT	MOD13650
	DO 941 K=1,36	MOD13660
	DO 942 M=1,13	MOD13670
	FORCE(K,M)=FORCE(K,M)+SUBCAT(I,K,M)	MOD13680
942	CONTINUE	MOD13690
941	CONTINUE	MOD13700
940	CONTINUE	MOD13710
C		MOD13720
C*****	NOW RETURN FROM WHENCE WE CAME *****	MOD13730
C		MOD13740
	RETURN	MOD13750
	END	MOD13760
	SUBROUTINE MCOPP(DES,NDS,TOL,IOPTN,IFLG)	MOD13770
C		MOD13780
C*****	*****	MOD13790
C*		MOD13800

C*	THIS ROUTINE IS USED TO COMPUTE NEW OPP. FOR GRADES	MOD13810
C*		MOD13820
C	*****	MOD13830
C		MOD13840
	COMMON DESSTR,MAXYRS,NSOURC,NCAT	MOD13850
	COMMON PARSRC,PARCAT,PRMPAR,SECRET,RESRAT,TRNG,GRADE	MOD13860
	COMMON NAMSRC,NAMCAT	MOD13870
	COMMON NWPROC,NEWTNG,MST,P,T,SUBCAT,SUBSRC,FORCE,TOTALS,SURV	MOD13880
	COMMON NCONTR,CONTR,CNTRCT	MOD13890
	COMMON/G/NGRD	MOD13900
	COMMON/INFO/TITLE,NAMFIL,NAMTYP	MOD13910
	COMMON/PRINT/IOUT	MOD13920
C		MOD13930
	INTEGER DESSTR,MAXYRS,NSOURC,NCAT,NCONTR	MOD13940
	INTEGER PARSRC(10,5),PARCAT(15,5),PRMPAR(9,4)	MOD13950
	REAL SECRET(10,3),RESRAT(35,15,10),TRNG(10,15),	MOD13960
	*GRADE(36,10,2)	MOD13970
	INTEGER NAMSRC(10,2),NAMCAT(15,2)	MOD13980
	REAL NWPROC(10),NEWTNG(10,15),MST(10,15),P(10,15),T(10,15)	MOD13990
	REAL SUBCAT(15,36,13),SUBSRC(10,36,13),FORCE(36,13)	MOD14000
	REAL SURV(10,15,36),CONTR(10,8),CNTRCT(10,30),TOTALS(10,15,36)	MOD14010
	INTEGER ANSWER,BLANK,YES,NO,TTL,PHY	MOD14020
	INTEGER GRD(10)	MOD14030
	REAL ACT(10),DES(10),SDES(10),SACT(10),PACT1(10),PACT2(10),OPP(10)	MOD14040
	INTEGER IPHM(10),IPHY(10)	MOD14050
C		MOD14060
	DATA ITER/0/	MOD14070
	DATA BLANK/ ' ',YES/'YES'/,NO/'NO'/,TTL/'TTL'/	MOD14080
	DATA GRD/'G 1%', 'G 2%', 'G 3%', 'G 4%', 'G 5%', 'G 6%',	MOD14090
	1 'G 7%', 'G 8%', 'G 9%', 'G 10%'/	MOD14100
C		MOD14110
C	*****	MOD14120
C		MOD14130
C	THIS ROUTINE COMPUTES NEW PROMOTION OPPORTUNITIES	MOD14140
C		MOD14150
C	*****	MOD14160
C		MOD14170
	DO 1000 I=1,NDS	MOD14180
	IG=NGRD-I+1	MOD14190
	ACT(I)=FORCE(36,IG+3)	MOD14200
1000	CONTINUE	MOD14210
C		MOD14220
	DO 1001 I=1,NDS	MOD14230
	SDES(I)=0.0	MOD14240
	SACT(I)=0.0	MOD14250
	IE=I	MOD14260

DO 1002 J=1,IE	MOD14270
SDS(I)=SDS(I)+DES(J)	MOD14280
SACT(I)=SACT(I)+ACT(J)	MOD14290
1002 CONTINUE	MOD14300
1001 CONTINUE	MOD14310
C	MOD14320
C*****CHECK IF WE ARE FINISHED*****	MOD14330
C	MOD14340
ICHK=0	MOD14350
DO 1003 I=1,NDS	MOD14360
IF(ABS(SACT(I)-SDS(I)).LE.(TOL*SDS(I)))GO TO 1003	MOD14370
ICHK=1	MOD14380
1003 CONTINUE	MOD14390
C	MOD14400
IF(ICHK.EQ.0.AND.IOPTN.EQ.1)GO TO 1150	MOD14410
IF(ICHK.EQ.0)GO TO 9998	MOD14420
C	MOD14430
C*****NOT FINISHED SO CONTINUE PROCESSING*****	MOD14440
C	MOD14450
DO 1005 I=1,NDS	MOD14460
PYR=PRMPAR(NGRD-I,1)	MOD14470
PACT1(I)=0.0	MOD14480
IE=I	MOD14490
DO 1006 J=1,IE	MOD14500
IG=NGRD-J+1	MOD14510
PACT1(I)=PACT1(I)+FORCE(PYR,IG+3)	MOD14520
1006 CONTINUE	MOD14530
IG=NGRD-I	MOD14540
PACT2(I)=PACT1(I)+FORCE(PYR,IG+3)	MOD14550
1005 CONTINUE	MOD14560
C	MOD14570
C*****CHECK FOR MODEL OPTION*****	MOD14580
C	MOD14590
IF(IOPTN.EQ.2) GO TO 1200	MOD14600
C	MOD14610
C*****HERE WE TAKE CARE OF OPTION 1 (FIX OPP,FLOAT WINDOW)*****	MOD14620
C	MOD14630
1100 DO 1101 I=1,NDS	MOD14640
OPP(I)=((SDS(I)-SACT(I))+PACT1(I))/PACT2(I)	MOD14650
1101 CONTINUE	MOD14660
C	MOD14670
DO 1102 I=1,NDS	MOD14680
PYR=PRMPAR(NGRD-I,1)	MOD14690
GRADE(PYR,NGRD-I,2)=OPP(I)	MOD14700
1102 CONTINUE	MOD14710
ITER=ITER+1	MOD14720

WRITE(6,2000) ITER,((GRD(NGRD-I+1),OPP(I)),I=1,NDS)	MOD14730
C	MOD14740
C***CHECK FOR VALIDITY***	MOD14750
C	MOD14760
DO 1300 I=1,NDS	MOD14770
IF(OPP(I).GT.0.0.AND.OPP(I).LE.1.0)GO TO 1305	MOD14780
GO TO 10000	MOD14790
1305 PYR=PRMPAR(NGRD-I,1)+2-IOPTN	MOD14800
IF(OPP(I).LT.GRADE(PYR,NGRD-I,2))GO TO 1300	MOD14810
GO TO 10000	MOD14820
1300 CONTINUE	MOD14830
GO TO 9999	MOD14840
C	MOD14850
C***CALCULATE PHASE POINTS*****	MOD14860
C	MOD14870
1150 DO 1151 I=1,NDS	MOD14880
PYR=PRMPAR(NGRD-I,1)+2-IOPTN	MOD14890
IPHM(I)=1FIX(12.5-OPP(I)/(.08333*GRADE(PYR,NGRD-I,2)))	MOD14900
IPHY(I)=PRMPAR(NGRD-I,1)-1	MOD14910
1151 CONTINUE	MOD14920
DO 1160 I=1,NDS	MOD14930
KK=NGRD-I+1	MOD14940
WRITE(6,1170) KK,IPHY(I),IPHM(I)	MOD14950
1160 CONTINUE	MOD14960
1170 FORMAT(1X,'GRADE ',I2,' PHASE POINT=',I2,' YRS',I3,' MONTHS')	MOD14970
GO TO 9998	MOD14980
C	MOD14990
C***HERE WE TAKE CARE OF OPTION 2 (FIX WINDOW,FLOAT OPP.)***	MOD15000
C	MOD15010
C***WORK FROM LOWEST GRADE TO HIGHEST*****	MOD15020
C	MOD15030
C***FOR OPP(NDS)*****	MOD15040
C	MOD15050
1200 TEMP1=(SDES(NDS)/SACT(NDS))*PACT1(NDS)	MOD15060
OPP(NDS)=TEMP1/PACT2(NDS)	MOD15070
C	MOD15080
C	MOD15090
C***NOW DO OPP(NDS-1) TO OPP(1)*****	MOD15100
C	MOD15110
NDS1=NDS-1	MOD15120
DO 1201 I=1,NDS1	MOD15130
IG=NDS-I	MOD15140
TEMP2=(TEMP1/PACT1(IG+1))*PACT2(IG)	MOD15150
TEMP1=(SDES(IG)/SACT(IG))*PACT1(IG)	MOD15160
OPP(IG)=TEMP1/TEMP2	MOD15170
1201 CONTINUE	MOD15180

C		MOD15190
C*****STORE NEW OPPORTUNITIES*****		MOD15200
C		MOD15210
DO 1202 I=1,NDS		MOD15220
PYR=PRMPAR(NGRD-I,1)		MOD15230
GRADE(PYR,NGRD-I,2)=OPP(I)		MOD15240
1202 CONTINUE		MOD15250
ITER=ITER+1		MOD15260
WRITE(6,2000) ITER,((GRD(NGRD-I+1),OPP(I)),I=1,NDS)		MOD15270
2000 FORMAT(1X,'ITERATION =',I3,8(1X,A4,'=',F5.3))		MOD15280
C		MOD15290
C*****CHECK FOR VALIDITY*****		MOD15300
C		MOD15310
DO 1301 I=1,NDS		MOD15320
IF(OPP(I).GT.0.0.AND.OPP(I).LE.1.0)GO TO 1301		MOD15330
GO TO 10000		MOD15340
1301 CONTINUE		MOD15350
GO TO 9999		MOD15360
C		MOD15370
C*****SET PROPER EXIT FLAG *****		MOD15380
C 1= NOT FINISHED 0=FINISHED		MOD15390
C		MOD15400
9998 IFLG=0		MOD15410
RETURN		MOD15420
C		MOD15430
9999 IFLG=1		MOD15440
RETURN		MOD15450
C*****ERROR TRAP*****		MOD15460
C		MOD15470
10000 WRITE(6,10001)		MOD15480
10001 FORMAT(1X,'***** W A R N I N G *****',/,		MOD15490
11X,'PROMOTION OPPORTUNITY IS OUT OF RANGE---RUN TERMINATING',/,		MOD15500
21X,'PLEASE RECHECK YOUR INPUT')		MOD15510
STOP		MOD15520
C		MOD15530
END		MOD15540
SUBROUTINE FPRINT(CON,FOR,J1,IS,NG)		MOD15550
C		MOD15560
C*****		MOD15570
C*	*	MOD15580
C*	*	MOD15590
C*	*	MOD15600
C*****		MOD15610
COMMON/PRINT/IOUT		MOD15620
REAL CON(36,16),FOR(36,13)		MOD15630
INTEGER GRADE(10)		MOD15640

C	DATA GRADE/'G 1','G 2','G 3','G 4','G 5','G 6','G 7',	MOD15650
*	'G 8','G 9','G10'/'	MOD15660
C		MOD15670
	IE = NG + IS	MOD15680
	WRITE(IOUT,900) (GRADE(I),I=1,NG)	MOD15690
	DO 100 J = 1,J1	MOD15700
	WRITE(IOUT,901) J,CON(J,16),(FOR(J,I),I=IS,IE)	MOD15710
100	CONTINUE	MOD15720
	WRITE(IOUT,902) CON(36,16),(FOR(36,I),I=IS,IE)	MOD15730
C		MOD15740
900	FORMAT(1X,'YEAR',2X,'CNTRCT',5X,'TOTAL',10(6X,A3))	MOD15750
901	FORMAT(2X,I2,3X,F6.0,2X,F8.0,10(F9.0))	MOD15760
902	FORMAT(/,1X,'TOTL',2X,F6.0,2X,F8.0,10(F9.0))	MOD15770
C		MOD15780
	RETURN	MOD15790
	END	MOD15800
	SUBROUTINE SPRINT(SOR,J1,K1,IS,NG)	MOD15810
C		MOD15820
C	*****	MOD15830
C*	USED TO PRINT OUT SOURCE SUBSTRUCTURES	MOD15840
C*		MOD15850
C*		MOD15860
C	*****	MOD15870
	COMMON/PRINT/IOUT	MOD15880
	REAL SOR(10,36,13)	MOD15890
	INTEGER GRADE(10)	MOD15900
C		MOD15910
	DATA GRADE/'G 1','G 2','G 3','G 4','G 5','G 6','G 7',	MOD15920
*	'G 8','G 9','G10'/'	MOD15930
C		MOD15940
	IE = NG + IS	MOD15950
	WRITE(IOUT,900) (GRADE(I),I=1,NG)	MOD15960
	DO 100 J = 1,J1	MOD15970
	WRITE(IOUT,901) J,(SOR(K1,J,I),I=IS,IE)	MOD15980
100	CONTINUE	MOD15990
	WRITE(IOUT,902) (SOR(K1,36,I),I=IS,IE)	MOD16000
C		MOD16010
900	FORMAT(1X,'YEAR',2X,5X,'TOTAL',10(6X,A3))	MOD16020
901	FORMAT(2X,I2,3X,2X,F8.0,10(F9.0))	MOD16030
902	FORMAT(/,1X,'TOTL',2X,2X,F8.0,10(F9.0))	MOD16040
C		MOD16050
	RETURN	MOD16060
	END	MOD16070
	SUBROUTINE CPRINT(CON,CAT,J1,K1,IS,NG)	MOD16080
C		MOD16090
		MOD16100

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C	RETURN	MOD16570
	END	MOD16580
C		MOD16590
	SUBROUTINE HEADER(10)	MOD16600
	COMMON/INFO/TITLE,NAMFIL,NAMTYP	MOD16610
	INTEGER TITLE(65),NAMFIL(2),NAMTYP(2),DATE(2),TIME(2)	MOD16620
C		MOD16630
	CALL QTIME(DATE,TIME)	MOD16640
	WRITE(10,10) TITLE,NAMFIL,NAMTYP,DATE,TIME	MOD16650
10	FORMAT(1H1,////,1X,128(1H*),/,1X,'*',29X,65A1,32X,'*',/,	MOD16660
	11X,'*',126X,'*',/,1X,'*',', FILENAME= ',2A4,3X,2A4,	MOD16670
	230X,'DATE= ',2A4,10X,'TIME= ',2A4,16X,'*',/,	MOD16680
	31X,128(1H*),//)	MOD16690
	RETURN	MOD16700
	END	MOD16710
	SUBROUTINE MDIST(GRDIST,GRDRAT,RESRAT,NCAT,NGRD)	MOD16720
C		MOD16730
	CC	MOD16740
C	READS FORCE DATA AND	MOD16750
C	COMPUTES GRADE DISTRIBUTION ARRAY	MOD16760
C		MOD16770
	CC	MOD16780
C		MOD16790
	COMMON/P/PRMOPP,GAINS	MOD16800
	DIMENSION TITL(65)	MOD16810
	DIMENSION RESRAT(35,15,10),PRMOPP(35,15,10),GAINS(35,15,10,2)	MOD16820
	DIMENSION DIST(10,36),GRDIST(36,11),GRDRAT(36,11)	MOD16830
C		MOD16840
	MOD16850	MOD16850
C	NOW CREATE INITIAL SURVIVOR ARRAY	MOD16860
C		MOD16870
500	DO 300 IGR=1,NGRD	MOD16880
	DO 300 IYR=1,36	MOD16890
	DIST(IGR,IYR)=0.0	MOD16900
300	CONTINUE	MOD16910
C		MOD16920
	C****HERE IS SPECIAL PROCEDURE TO HANDLE ENTRY GAINS ACROSS GRADES****	MOD16930
C		MOD16940
	SUM=0.0	MOD16950
	DO 400 KK=1,10	MOD16960
	SUM=SUM+GAINS(1,NCAT,KK,1)	MOD16970
400	CONTINUE	MOD16980
	DO 401 KK=1,10	MOD16990
	DIST(KK,1)=GAINS(1,NCAT,KK,1)/SUM	MOD17000
401	CONTINUE	MOD17010
C		MOD17020

	DO 301 I=2,35	MOD17030
	DO 302 IGR=1,10	MOD17040
	DIST(IGR,I)=DIST(IGR,I-1)*RESRAT(I-1,NCAT,IGR)	MOD17050
302	CONTINUE	MOD17060
C		MOD17070
	DO 303 IGR=2,10	MOD17080
	X=PRMOPP(I-1,NCAT,IGR-1)*DIST(IGR-1,I-1)	MOD17090
	DIST(IGR,I)=DIST(IGR,I)+X	MOD17100
303	CONTINUE	MOD17110
301	CONTINUE	MOD17120
C		MOD17130
C	NOW COMPUTE GRADE DISTRIBUTION	MOD17140
C		MOD17150
	DO 700 IYR=1,35	MOD17160
	SUM=0.0	MOD17170
	DO 800 IGR=1,NGRD	MOD17180
	SUM=SUM+DIST(IGR,IYR)	MOD17190
800	CONTINUE	MOD17200
	IF(SUM.LE.0.0)GO TO 700	MOD17210
	DO 810 IGR=1,NGRD	MOD17220
	GRDIST(IYR,IGR)=DIST(IGR,IYR)/SUM	MOD17230
810	CONTINUE	MOD17240
700	CONTINUE	MOD17250
C		MOD17260
C	PUT CONTINUATION RATES INTO GRDRAT ARRAY	MOD17270
C		MOD17280
	DO 900 IGR=1,NGRD	MOD17290
	GRDRAT(1,IGR)=1.0	MOD17300
900	CONTINUE	MOD17310
	DO 910 IYR=2,36	MOD17320
	GRDRAT(IYR,11)=0.0	MOD17330
	DO 920 IGR=1,NGRD	MOD17340
	GRDRAT(IYR,IGR)=RESRAT(IYR-1,NCAT,IGR)+PRMOPP(IYR-1,NCAT,IGR)	MOD17350
	IF(IGR.EQ.NGRD) GRDRAT(IYR,IGR)=RESRAT(IYR-1,NCAT,IGR)	MOD17360
920	CONTINUE	MOD17370
910	CONTINUE	MOD17380
C		MOD17390
C	NOW DETERMINE WEIGHTED AVERAGE CONTINUATION	MOD17400
C		MOD17410
	GRDRAT(1,11)=1.0	MOD17420
	DO 950 IYR=2,36	MOD17430
	DO 951 IGR=1,NGRD	MOD17440
	GRDRAT(IYR,11)=GRDRAT(IYR,IGR)*GRDIST(IYR-1,IGR)+GRDRAT(IYR,11)	MOD17450
951	CONTINUE	MOD17460
950	CONTINUE	MOD17470
C		MOD17480

RETURN	MOD17490
END	MOD17500
SUBROUTINE MGDIST(RESRAT,NC,GSUM,CATG,IPS,NGRD)	MOD17510
C	MOD17520
C*****	MOD17530
C* ROUTINE USED TO DISTRIBUTE GAINS OTHER THAN YOS 1 *	MOD17540
C*****	MOD17550
C	MOD17560
COMMON/P/PRMOPP,GAINS	MOD17570
DIMENSION RESRAT(35,15,10),PRMOPP(35,15,10),GAINS(35,15,10,2)	MOD17580
DIMENSION DIST(10,36),CATG(15,36,13)	MOD17590
C	MOD17600
DO 100 J=1,36	MOD17610
DO 100 K=1,13	MOD17620
CATG(NC,J,K)=0.0	MOD17630
100 CONTINUE	MOD17640
C	MOD17650
DO 900 IY=1,2	MOD17660
IF(IY.EQ.1) IYST=2	MOD17670
IF(IY.EQ.2) IYST=1	MOD17680
DO 1000 IG=1,10	MOD17690
DO 1001 IY=IYST,35	MOD17700
C	MOD17710
DO 1002 I=1,10	MOD17720
DO 1002 J=1,36	MOD17730
DIST(I,J)=0.0	MOD17740
1002 CONTINUE	MOD17750
C	MOD17760
IF(GAINS(IY,NC,IG,IY).LE.0.0) GO TO 1001	MOD17770
DIST(IG,IY)=GAINS(IY,NC,IG,IY)	MOD17780
DO 2000 IYR=IY,35	MOD17790
DO 2001 IGR=IG,NGRD	MOD17800
DIST(IGR,IYR+1)=DIST(IGR,IYR)*RESRAT(IYR,NC,IGR)	MOD17810
IF(IGR.EQ.1)GO TO 2001	MOD17820
DIST(IGR,IYR+1)=DIST(IGR,IYR+1)+	MOD17830
1 DIST(IGR-1,IYR)*PRMOPP(IYR,NC,IGR-1)	MOD17840
2001 CONTINUE	MOD17850
2000 CONTINUE	MOD17860
C	MOD17870
DO 3000 J=1,36	MOD17880
DO 3000 K=1,NGRD	MOD17890
CATG(NC,J,K+3)=CATG(NC,J,K+3)+DIST(K,J)	MOD17900
3000 CONTINUE	MOD17910
C	MOD17920
1001 CONTINUE	MOD17930
1000 CONTINUE	MOD17940

900	CONTINUE	MOD17950
C		MOD17960
C****	LETS FIND OUT HOW MANY ARE IN FORCE THROUGH OTHER GAINS ****	MOD17970
C		MOD17980
	GSUM = 0.0	MOD17990
	DO 4000 K=1,NGRD	MOD18000
	DO 4001 J=1,35	MOD18010
	CATG(NC,J,3)=CATG(NC,J,K+3)+CATG(NC,J,3)	MOD18020
	CATG(NC,36,K+3)=CATG(NC,36,K+3)+CATG(NC,J,K+3)	MOD18030
4001	CONTINUE	MOD18040
	CATG(NC,36,3)=CATG(NC,36,3)+CATG(NC,36,K+3)	MOD18050
4000	CONTINUE	MOD18060
	GSUM=CATG(NC,36,3)	MOD18070
C		MOD18080
C****	SUM WILL BE SUBTRACTED FROM DESIRED CAT STRENGTH BACK IN MODEL **	MOD18090
C		MOD18100
	IF(IPS.GT.0)CALL CPRINT(CATG,CATG,35,NC,3,9)	MOD18110
	RETURN	MOD18120
	END	MOD18130

FILE: REPORT EXEC A
PAGE 001

VM/SP CONVERSATIONAL MONITOR SYSTEM

&CONTROL OFF
&ERROR &GOTO -ERREXIT
FILEDEF 2 PRINTER (RECFM FA LRECL 132 BLKSIZE 133 PERM
FILEDEF 6 TERMINAL (RECFM F LRECL 130 BLKSIZE 131 PERM
FILEDEF 46 DISK DCE00XX SUBSTRUC A4
FILEDEF 48 DISK DCE00XX LRATES A4
FILEDEF 49 DISK DCE00XX GRATES A4
QREPORT
&EXIT
-ERREXIT
&TYPE ERROR IN RUNNING REPORT PROGRAM
&EXIT

FILE: BATCHRPT EXEC A
PAGE 001

VM/SP CONVERSATIONAL MONITOR SYSTEM

&CONTROL OFF
&ERROR &GOTO -ERR
CLRSCRN

*-----
*ENTER RUNS YOU WANT TO MAKE "EXEC REPORT2 FN1"
*WHERE FN1=FILENAME OF FORCE STRUCTURE DATA
*-----

EXEC REPORT2 ACE09CAT
EXEC REPORT2 NCE09CAT
&GOTO -DONE

-ERR
 &TYPE ERROR IN RUNNING REPORT PROGRAM -- CONTACT MODEL MANAGER
 &EXIT
-DONE
 &EXIT

FILE: REPORT2 EXEC A
PAGE 001

VM/SP CONVERSATIONAL MONITOR SYSTEM

&CONTROL OFF
&ERROR &GOTO -ERREXIT3
CLRSCRN
&FN1 = &1
-REPORT CLRSCRN
FILEDEF 2 PRINTER (RECFM FA LRECL 132 BLKSIZE 133 PERM
FILEDEF 6 TERMINAL (RECFM F LRECL 130 BLKSIZE 131 PERM
FILEDEF 46 DISK &FN1 SUBSTRUC A4
FILEDEF 48 DISK &FN1 LRATES A4
FILEDEF 49 DISK &FN1 GRATES A4
&STACK 1
&STACK 1
REPORT
&GOTO -DONE
-ERREXIT3
 &TYPE ERROR IN RUNNING REPORT PROGRAM
 &EXIT
-DONE
 &EXIT

```
COMMON SUBCAT,FLOSS,TLOSS,NAMCAT,TGL,NCAT
DIMENSION FLOSS(35,12,10,15),SUBCAT(15,36,13)
REAL*8 TLOSS(36,13,16),TGL(11,10,16)
COMMON/INFO/ TITLE,NAMFIL,NAMTYP
COMMON/GAIN/PRMOPP(35,15,10),GAINS(35,15,10,2),TGAINS(36,11,2)
COMMON/PM/PROM(36,16,11)
DIMENSION ATTRIT(35,10,12)
DIMENSION EXLIFD(35,3),EXLIFN(35,3),RET(6)
INTEGER TTL,TITLE(65),NAMFIL(2),NAMTYP(2),NAMCAT(15,2)
DATA 'TTL','TOTL'/

C
  DATA EXLIFD/
C DATA ENTERED AS DIS-OFF,DIS-WAR,DIS-ENL,NDIS-OFF,NDIS-WAR,NDIS-ENL
  *52.01,51.09,50.17,49.25,48.33,47.40,46.48,45.55,44.63,43.76,
  *42.77,41.83,40.90,39.97,39.05,38.13,37.21,36.29,35.37,34.46,
  *33.54,32.64,31.73,30.84,29.95,29.06,28.19,27.32,26.45,25.50,
  *24.75,23.92,23.09,22.27,21.46,

C
  *54.75,53.84,52.92,52.01,51.09,50.17,49.25,48.33,47.40,46.48,
  *45.55,44.63,43.70,42.77,41.83,40.90,39.97,39.05,38.13,37.21,
  *36.29,35.37,34.46,33.54,32.64,31.73,30.84,29.95,29.06,28.19,
  *27.32,26.45,25.60,24.75,23.92,

C
  *51.55,50.68,49.82,48.95,49.09,47.21,46.31,45.47,44.59,43.71,
  *42.82,41.94,41.05,40.16,39.27,38.37,37.47,36.57,35.67,34.77,
  *33.86,32.95,32.04,31.14,30.24,29.34,28.46,27.59,26.73,25.88,
  *25.04,24.22,23.41,22.62,21.86/

C
  DATA EXLIFN/
C
  *20*34.46,
  *33.54,32.64,31.73,30.84,29.95,29.06,28.19,27.32,26.45,25.60,
  *24.75,23.92,23.09,22.27,21.46,

C
  *20*37.21,
  *36.29,35.37,34.46,33.54,32.64,31.73,30.84,29.95,29.06,28.19,
  *27.32,26.45,25.60,24.75,23.92,

C
  *20*34.77,
  *33.86,32.95,32.04,31.14,30.24,29.34,28.46,27.59,26.73,25.88,
  *25.04,24.22,23.41,22.62,21.86/

C
C ---READ OUTPUT FROM QRMC MODEL---
C
  READ(49) PRMOPP
  READ(49) PRMOPP
```

MLO00010
MLO00020
MLO00030
MLO00040
MLO00050
MLO00060
MLO00070
MLO00080
MLO00090
MLO00100
MLO00110
MLO00120
MLO00130
MLO00140
MLO00150
MLO00160
MLO00170
MLO00180
MLO00190
MLO00200
MLO00210
MLO00220
MLO00230
MLO00240
MLO00250
MLO00260
MLO00270
MLO00280
MLO00290
MLO00300
MLO00310
MLO00320
MLO00330
MLO00340
MLO00350
MLO00360
MLO00370
MLO00380
MLO00390
MLO00400
MLO00410
MLO00420
MLO00430
MLO00440
MLO00450
MLO00460

	READ(49) GAINS	ML000470
C		ML000480
	READ(46) NGRD,NCAT,NAMCAT,TITLE,NAMFIL,NAMTYP	ML000490
	READ(46) SUBCAT	ML000500
25	CALL DISPC	ML000510
	WRITE(6,30) NGRD	ML000520
30	FORMAT(20X,'*****',/,	ML000530
1	12,18X,'* QPMC REPORT GENERATOR *',/,	ML000540
2	20X,'* *',/,	ML000550
3	20X,'* REPORT OPTIONS : 1=TOTAL FORCE ONLY *',/,	ML000560
4	20X,'* 2=DETAIL DISPLAYS *',/,	ML000570
5	20X,'*****',/,	ML000580
	61X,'ENTER YOUR CHOICE')	ML000590
	READ(5,*) ICH	ML000600
	IF(ICH.LT.1.OR.ICH.GT.3)GO TO 25	ML000610
49	WRITE(6,50)	ML000620
50	FORMAT(1X,'OUTPUT TO PRINTER(1) OR TERMINAL(0)?')	ML000630
	READ(5,*) IOUT	ML000640
	IF(IOUT.LT.0.OR.IOUT.GT.1)GO TO 49	ML000650
	IOUT=6-(IOUT*4)	ML000660
C		ML000670
	CALL DISPC	ML000680
	WRITE(6,35)	ML000690
35	FORMAT(1X,'*** THIS MAY TAKE A FEW SECONDS--- HANG TIGHT ***')	ML000700
	IF(ICH.EQ.1) GO TO 40	ML000710
	IPAGES=NCAT*3+4	ML000720
	TIME=(IPAGES*25.0)/60.0	ML000730
	WRITE(6,36) IPAGES,TIME	ML000740
36	FORMAT(/,1X,'EXPECTED OUTPUT =',I6,' PAGES',/,	ML000750
1	1X,'ESTIMATED PRINT TIME =',F7.2,' MINUTES')	ML000760
C		ML000770
	*****	ML000780
	C* PERFORM INITIAL HOUSEKEEPING NEEDED FOR REPORTS *	ML000790
	*****	ML000800
C		ML000810
	C *** CREATE LOSS ARRAY ***	ML000820
C		ML000830
40	DO 110 I=1,NCAT	ML000840
	READ(48) ATTRIT	ML000850
	DO 108 IG=1,NGRD	ML000860
	DO 106 IY=1,35	ML000870
	PROM(IY,I,IG)=SUBCAT(I,IY,IG+3)*PRMOPP(IY,I,IG)	ML000880
	DO 104 K=1,12	ML000890
	FLOSS(IY,K,IG,I)=ATTRIT(IY,IG,K)*SUBCAT(I,IY,IG+3)	ML000900
104	CONTINUE	ML000910
106	CONTINUE	ML000920

108	CONTINUE	MLO00930
110	CONTINUE	MLO00940
C		MLO00950
C ***	NOW COLLECT SUMS *****	MLO00960
C		MLO00970
	DO 300 IC=1,15	MLO00980
	DO 302 IG=1,10	MLO00990
	DO 304 IY=1,35	MLO01000
	PROM(36,IC,IG)=PROM(36,IC,IG)+PROM(IY,IC,IG)	MLO01010
	PROM(36,16,IG)=PROM(36,16,IG)+PROM(IY,IC,IG)	MLO01020
	PROM(36,16,11)=PROM(36,16,11)+PROM(IY,IC,IG)	MLO01030
	PROM(IY,16,IG)=PROM(IY,16,IG)+PROM(IY,IC,IG)	MLO01040
	PROM(IY,16,11)=PROM(IY,16,11)+PROM(IY,IC,IG)	MLO01050
	PROM(IY,IC,11)=PROM(IY,IC,11)+PROM(IY,IC,IG)	MLO01060
	PROM(36,IC,11)=PROM(36,IC,11)+PROM(IY,IC,IG)	MLO01070
	DO 306 IT=1,12	MLO01080
	TLOSS(IY,IT,IC)=TLOSS(IY,IT,IC)+FLOSS(IY,IT,IG,IC)	MLO01090
306	CONTINUE	MLO01100
304	CONTINUE	MLO01110
302	CONTINUE	MLO01120
300	CONTINUE	MLO01130
C		MLO01140
	DO 320 IY=1,35	MLO01150
	DO 320 IT=1,11	MLO01160
	DO 320 IG=1,NGRD	MLO01170
	DO 320 IC=1,NCAT	MLO01180
	TGL(IT,IG,IC)=FLOSS(IY,IT,IG,IC)+TGL(IT,IG,IC)	MLO01190
	TGL(IT,IG,16)=TGL(IT,IG,16)+FLOSS(IY,IT,IG,IC)	MLO01200
320	CONTINUE	MLO01210
	DO 400 IC=1,15	MLO01220
	DO 400 IY=1,35	MLO01230
	DO 400 IT=1,12	MLO01240
	TLOSS(36,13,16)=TLOSS(36,13,16)+TLOSS(IY,IT,IC)	MLO01250
	TLOSS(36,IT,16)=TLOSS(36,IT,16)+TLOSS(IY,IT,IC)	MLO01260
	TLOSS(36,IT,IC)=TLOSS(36,IT,IC)+TLOSS(IY,IT,IC)	MLO01270
	TLOSS(36,13,IC)=TLOSS(36,13,IC)+TLOSS(IY,IT,IC)	MLO01280
	TLOSS(IY,13,IC)=TLOSS(IY,13,IC)+TLOSS(IY,IT,IC)	MLO01290
	TLOSS(IY,13,16)=TLOSS(IY,13,16)+TLOSS(IY,IT,IC)	MLO01300
	TLOSS(IY,IT,16)=TLOSS(IY,IT,16)+TLOSS(IY,IT,IC)	MLO01310
400	CONTINUE	MLO01320
C*****		MLO01330
C*	FINISHED WITH SETUP --- NOW CREATE REPORTS *	MLO01340
C*****		MLO01350
C		MLO01360
	ICX=ICH	MLO01370
	IF(ICH.EQ.3)ICX=2	MLO01380

IEND=(ICX-1)*NCAT+1	MLO01390
DO 2000 INC=1,IEND	MLO01400
C	MLO01410
C*****GENERATE FORCE REPORT*****	MLO01420
C	MLO01430
IF(ICH.EQ.3)GO TO 800	MLO01440
CALL HEADER(IOUT)	MLO01450
800 CALL REPORT(IOUT,INC,NGRD,ICH)	MLO01460
C	MLO01470
C*****GENERATE LOSS REPORT*****	MLO01480
C	MLO01490
IF(ICH.EQ.3)GO TO 801	MLO01500
CALL HEADER(IOUT)	MLO01510
801 IF(INC.EQ.1) WRITE(IOUT,201)	MLO01520
IF(INC.GT.1) WRITE(IOUT,202) NAMCAT(INC-1,1)	MLO01530
201 FORMAT(1X,52(1H*), ' TOTAL FORCE LOSS DISPLAY ',52(1H*),//)	MLO01540
202 FORMAT(1X,50(1H*), ' CATEGORY= ',A4, ' LOSS DISPLAY ',50(1H*),//)	MLO01550
WRITE(IOUT,206)	MLO01560
206 FORMAT(' YR XFROTH XPROFF DEATH RETDIS RET FC RETVOL',	MLO01570
2 ' RETINV OTHDIS OTH FC OTHVOL OTHINV PROMOUT TOTALS')	MLO01580
IF(INC.EQ.1) ICT=16	MLO01590
IF(INC.GT.1) ICT=INC-1	MLO01600
DO 500 IY=1,35	MLO01610
IF(INC.EQ.1) REM=TLOSS(IY,13,ICT)-TLOSS(IY,1,ICT)	MLO01620
IF(INC.GT.1) REM=TLOSS(IY,13,ICT)	MLO01630
IF(ICH.EQ.3) GO TO 804	MLO01640
WRITE(IOUT,207) IY,(TLOSS(IY,J,ICT),J=1,12),REM	MLO01650
207 FORMAT(1X,12,1X,13F8.0)	MLO01660
500 CONTINUE	MLO01670
804 IF(INC.EQ.1) REM=TLOSS(36,13,ICT)-TLOSS(36,1,ICT)	MLO01680
IF(INC.GT.1) REM=TLOSS(36,13,ICT)	MLO01690
WRITE(IOUT,208) (TLOSS(36,J,ICT),J=1,12),REM	MLO01700
208 FORMAT(//,4X,13F8.0)	MLO01710
C	MLO01720
C CALCULATE RETIREMENT POPULATIONS	MLO01730
C	MLO01740
IF(NGRD.LE.4) IR=2	MLO01750
IF(NGRD.GT.4.AND.NGRD.LT.9) IR=1	MLO01760
IF(NGRD.GE.9) IR=3	MLO01770
C	MLO01780
DO 3000 I=1,6	MLO01790
RET(I)=0.0	MLO01800
3000 CONTINUE	MLO01810
C	MLO01820
DO 3001 IY=1,35	MLO01830
RET(1)=RET(1)+TLOSS(IY,4,ICT)*EXLIFD(IY,IR)	MLO01840

RET(2)=RET(2)+TLOSS(IY,5,ICT)*EXLIFN(IY,IR)	MLO01850
RET(3)=RET(3)+TLOSS(IY,6,ICT)*EXLIFN(IY,IR)	MLO01860
RET(4)=RET(4)+TLOSS(IY,7,ICT)*EXLIFN(IY,IR)	MLO01870
3001 CONTINUE	MLO01880
RET(5)=RET(1)+RET(2)+RET(3)+RET(4)	MLO01890
RET(6)=RET(5)-RET(1)	MLO01900
C	MLO01910
WRITE(IOUT,3003) (RET(J),J=1,6)	MLO01920
3003 FORMAT(/,1X,'RETIRED POPULATION',9X,4F8.0,40X,F8.0,/,	MLO01930
* 36X,'I----(',F8.0,')----I')	MLO01940
IF(INC.GT.1)GO TO 1900	MLO01950
IF(ICH.EQ.3) GO TO 802	MLO01960
CALL HEADER(IOUT)	MLO01970
802 WRITE(IOUT,600)	MLO01980
600 FORMAT(1X,1X,50(1H*),' TOTAL FORCE XFROTH DISPLAY ',50(1H*),//)	MLO01990
WRITE(IOUT,602) (NAMCAT(IC,1),IC=1,NCAT),TTL	MLO02000
602 FORMAT(1X,'YOS ',16(3X,A4),//)	MLO02010
IF(ICH.EQ.3) GO TO 805	MLO02020
DO 603 IY=1,35	MLO02030
WRITE(IOUT,604) IY,(TLOSS(IY,1,I),I=1,NCAT),TLOSS(IY,1,16)	MLO02040
604 FORMAT(1X,13,3X,16F7.0)	MLO02050
603 CONTINUE	MLO02060
805 WRITE(IOUT,610) (TLOSS(36,1,I),I=1,NCAT),TLOSS(36,1,16)	MLO02070
610 FORMAT(/,1X,'TOTAL',1X,16F7.0)	MLO02080
C	MLO02090
1900 CALL HEADER(IOUT)	MLO02100
CALL FLOW(IOUT,INC,NGRD,ICH)	MLO02110
C	MLO02120
2000 CONTINUE	MLO02130
STOP	MLO02140
END	MLO02150
C	MLO02160
SUBROUTINE REPORT(IO,INC,NGRD,ICH)	MLO02170
C	MLO02180
COMMON SUBCAT,FLOSS,TLOSS,NAMCAT,TGL,NCAT	MLO02190
DIMENSION FLOSS(35,12,10,15),SUBCAT(15,36,13)	MLO02200
DIMENSION AYOS(11),PROD(11),PINDX(35)	MLO02210
REAL*8 TLOSS(36,13,16),TGL(11,10,16)	MLO02220
INTEGER NAMCAT(15,2)	MLO02230
COMMON/GAIN/PRMOPP(35,15,10),GAINS(35,15,10,2),TGAINS(36,11,2)	MLO02240
COMMON/FOR/FORCE(36,14)	MLO02250
C	MLO02260
DATA PINDX/0.0,0.25,0.5,0.75,31*1.0/	MLO02270
CC	MLO02280
C	MLO02290
C FORCE(*,1)=G1 FORCE(*,10)=G10 FORCE(*,11)=TOT	MLO02300

C	FORCE(*,12)=LOSS RATE	FORCE(*,13)=RET RATE	C	ML002310
C	FORCE(*,14)=CONT RATE		C	ML002320
C			C	ML002330
CC				ML002340
C	DO 100 IY=1,36			ML002350
	DO 100 IT=1,14			ML002360
	FORCE(IY,IT)=0.0			ML002370
	IF(IT.GT.11) GO TO 100			ML002380
	TGAINS(IY,IT,1)=0.0			ML002390
	TGAINS(IY,IT,2)=0.0			ML002400
100	CONTINUE			ML002410
C				ML002420
	IF(INC.GT.1)GO TO 211			ML002430
C				ML002440
C	SUM UP ALL CATEGORIES			ML002450
C				ML002460
	DO 200 NG=1,NGRD			ML002470
	DO 200 IY=1,35			ML002480
	DO 200 IC=1,NCAT			ML002490
	FORCE(IY,NG)=FORCE(IY,NG)+SUBCAT(IC,IY,NG+3)			ML002500
	IF(IY.EQ.1)GO TO 199			ML002510
	TGAINS(IY,NG,1)=TGAINS(IY,NG,1)+GAINS(IY,IC,NG,1)			ML002520
199	TGAINS(IY,NG,2)=TGAINS(IY,NG,2)+GAINS(IY,IC,NG,2)			ML002530
200	CONTINUE			ML002540
	DO 201 NG=1,NGRD			ML002550
	DO 201 IC=1,NCAT			ML002560
	TGAINS(1,NG,1)=SUBCAT(IC,1,NG+3)-GAINS(1,IC,NG,2)+TGAINS(1,NG,1)			ML002570
201	CONTINUE			ML002580
	DO 210 IY=1,35			ML002590
	DO 210 IC=1,NGRD			ML002600
	FORCE(36,IC)=FORCE(36,IC)+FORCE(IY,IC)			ML002610
	FORCE(IY,11)=FORCE(IY,11)+FORCE(IY,IC)			ML002620
	FORCE(36,11)=FORCE(36,11)+FORCE(IY,IC)			ML002630
	TGAINS(36,IC,1)=TGAINS(36,IC,1)+TGAINS(IY,IC,1)			ML002640
	TGAINS(36,IC,2)=TGAINS(36,IC,2)+TGAINS(IY,IC,2)			ML002650
	TGAINS(IY,11,1)=TGAINS(IY,11,1)+TGAINS(IY,IC,1)			ML002660
	TGAINS(IY,11,2)=TGAINS(IY,11,2)+TGAINS(IY,IC,2)			ML002670
	TGAINS(36,11,1)=TGAINS(36,11,1)+TGAINS(IY,IC,1)			ML002680
	TGAINS(36,11,2)=TGAINS(36,11,2)+TGAINS(IY,IC,2)			ML002690
210	CONTINUE			ML002700
	GO TO 219			ML002710
C				ML002720
C	--THIS SECTION FOR INDIVIDUAL CATEGORIES--			ML002730
C				ML002740
211	DO 212 IY=1,36			ML002750
				ML002760

	DO 213 IG=1,NGRD	MLO02770
	FORCE(IY,IG)=SUBCAT(INC-1,IY,IG+3)	MLO02780
	FORCE(IY,11)=FORCE(IY,11)+SUBCAT(INC-1,IY,IG+3)	MLO02790
213	CONTINUE	MLO02800
212	CONTINUE	MLO02810
	DO 214 IY=1,35	MLO02820
	DO 214 IG=1,NGRD	MLO02830
	DO 214 IT=1,2	MLO02840
	IF(IY.EQ.1.AND.IT.EQ.1)GO TO 214	MLO02850
	TGAINS(IY,IG,IT)=TGAINS(IY,IG,IT)+GAINS(IY,INC-1,IG,IT)	MLO02860
	TGAINS(36,IG,IT)=TGAINS(36,IG,IT)+GAINS(IY,INC-1,IG,IT)	MLO02870
	TGAINS(IY,11,IT)=TGAINS(IY,11,IT)+GAINS(IY,INC-1,IG,IT)	MLO02880
	TGAINS(36,11,IT)=TGAINS(36,11,IT)+GAINS(IY,INC-1,IG,IT)	MLO02890
214	CONTINUE	MLO02900
	DO 216 IG=1,NGRD	MLO02910
	TGAINS(1,IG,1)=SUBCAT(INC-1,1,IG+3)-TGAINS(1,IG,2)	MLO02920
	TGAINS(1,11,1)=TGAINS(1,11,1)+TGAINS(1,IG,1)	MLO02930
	TGAINS(36,IG,1)=TGAINS(36,IG,1)+TGAINS(1,IG,1)	MLO02940
216	CONTINUE	MLO02950
	TGAINS(36,11,1)=TGAINS(36,11,1)+TGAINS(1,11,1)	MLO02960
C		MLO02970
C	NOW COMPUTE STATS	MLO02980
C		MLO02990
219	DO 220 IY=1,35	MLO03000
	IF(INC.EQ.1) RLOSS=TLOSS(IY,13,16)-TLOSS(IY,1,16)	MLO03010
	IF(INC.GT.1) RLOSS=TLOSS(IY,13,INC-1)	MLO03020
	IF(FORCE(IY,11).LE.0.0)GO TO 215	MLO03030
	FORCE(IY,12)=RLOSS/FORCE(IY,11)	MLO03040
215	FORCE(IY,13)=1.0-FORCE(IY,12)	MLO03050
220	CONTINUE	MLO03060
	FORCE(1,14)=1.0	MLO03070
	DO 230 IY=2,35	MLO03080
	FORCE(IY,14)=FORCE(IY-1,14)*FORCE(IY-1,13)	MLO03090
	IF(FORCE(IY-1,11).LE.0.0.AND.FORCE(IY-1,14).EQ.1.0)	MLO03100
1	FORCE(IY-1,14)=0.0	MLO03110
230	CONTINUE	MLO03120
C		MLO03130
C	PRINT OUT THE MATRIX	MLO03140
C		MLO03150
	IF(INC.GT.1) WRITE(IO,898) NAMCAT(INC-1,1)	MLO03160
898	FORMAT(1X,50(1H*),'CATEGORY= ',A4,' FORCE DISPLAY',50(1H*),//)	MLO03170
	IF(INC.EQ.1) WRITE(IO,899)	MLO03180
899	FORMAT(1X,54(1H*),' TOTAL FORCE DISPLAY ',54(1H*),//)	MLO03190
	WRITE(IO,900)	MLO03200
900	FORMAT(1X,'YOS',3X,'G:TO ',2X,'G:OTH ',2X,'GRD-1 ',	MLO03210
	12X,'GRD-2 ',2X,'GRD-3 ',2X,'GRD-4 ',2X,'GRD-5 ',2X,'GRD-6 ',1X,'GRD-7 ',	MLO03220

2'GRD-8 GRD-9 GRD10',4X,'TOTAL ', 'LOSSES ',2X,'LOSS RETN ',	MLO03230
3' CONT',/)	MLO03240
IF(ICH.EQ.3) GO TO 800	MLO03250
DO 300 IY=1,35	MLO03260
IF(INC.EQ.1) REM=TLOSS(IY,13,16)-TLOSS(IY,1,16)	MLO03270
IF(INC.GT.1) REM=TLOSS(IY,13,INC-1)	MLO03280
WRITE(IO,901) IY,(TGAINS(IY,11,JJ),JJ=1,2),(FORCE(IY,J),J=1,11),	MLO03290
1 REM,(FORCE(IY,J),J=12,14)	MLO03300
901 FORMAT(1X,I3,2F8.0,3F8.0,4F7.0,3F6.0,F9.0,F7.0,2F7.4,F8.4)	MLO03310
300 CONTINUE	MLO03320
800 IF(INC.EQ.1) REM=TLOSS(36,13,16)-TLOSS(36,1,16)	MLO03330
IF(INC.GT.1) REM=TLOSS(36,13,INC-1)	MLO03340
FREM=REM/FORCE(36,11)	MLO03350
RMST=FORCE(36,11)/REM	MLO03360
RREM=1.0-FREM	MLO03370
WRITE(IO,902) TGAINS(36,11,1),TGAINS(36,11,2),	MLO03380
1 (FORCE(36,J),J=1,11),REM,FREM,RREM,RMST	MLO03390
902 FORMAT(/,1X,'TOT',2F8.0,3F8.0,4F7.0,3F6.0,F9.0,F7.0,2F7.4,F8.4)	MLO03400
C	MLO03410
DO 910 J=1,11	MLO03420
AYOS(J)=0.0	MLO03430
PROD(J)=0.0	MLO03440
910 CONTINUE	MLO03450
C	MLO03460
DO 920 J=1,11	MLO03470
DO 930 IY=1,35	MLO03480
X=IY-.5	MLO03490
AYOS(J)=AYOS(J)+X*FORCE(IY,J)	MLO03500
930 CONTINUE	MLO03510
IF(AYOS(J).LE.0.0)GO TO 920	MLO03520
AYOS(J)=AYOS(J)/FORCE(36,J)	MLO03530
920 CONTINUE	MLO03540
C	MLO03550
DO 940 J=1,11	MLO03560
DO 950 IY=1,35	MLO03570
PROD(J)=PROD(J)+PINDX(IY)*FORCE(IY,J)	MLO03580
950 CONTINUE	MLO03590
940 CONTINUE	MLO03600
C	MLO03610
WRITE(IO,903) (AYOS(J),J=1,11),(PROD(J),J=1,11)	MLO03620
903 FORMAT(/,1X,'AVERAGE YOS',7X,3F8.2,4F7.2,3F6.2,F9.2,	MLO03630
* /,1X,'PRODUCTIVITY',7X,3F8.0,4F7.0,3F6.0,F9.0)	MLO03640
C	MLO03650
C	MLO03660
RETURN	MLO03670
C	MLO03680

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C      END
C      SUBROUTINE FLOW(IO,INC,NGRD,I'CH)
C      COMMON SUBCAT,FLOSS,TLOSS,NAMCAT,TGL,NCAT
C      DIMENSION FLOSS(35,12,10,15),SUBCAT(15,36,13)
C      REAL*8 TLOSS(36,13,16),TGL(11,13,16)
C      INTEGER NAMCAT(15,2)
C      COMMON/GAIN/PRMOPP(35,15,10),GAINS(35,15,10,2),TGAINS(36,11,2)
C      COMMON/FOR/FORCE(36,14)
C      COMMON/PM/PROM(36,16,11)
C      INTEGER ID(4,20)
C      DIMENSION FLOW(20,11)
C      DATA ID /'BEGI','N ST','RENG','TH',
1      'PROM','OUT','LOSS','XFR','OTH',
2      'LOSS','XFR','OFF','LOSS','DEA','TH',
3      'LOSS','RET','DIS','LOSS','RET','FC',
4      'LOSS','RET','VOL','LOSS','RET','INV',
5      'LOSS','OTH','DIS','LOSS','OTH','FC',
6      'LOSS','OTH','VOL','LOSS','OTH','INV',
7      'TOTA','L LO','SSES',
8      'GAIN','S TO',
9      'PROM','IN','TOTA','L GA','INS','HER',
9      'END','STRE','NGTH',
C      *****
C      DO 10 I=1,20
C      DO 10 J=1,11
C      FLOW(I,J)=0.0
10     CONTINUE
C
C      IF(INC.EQ.1)ICT=16
C      IF(INC.GT.1) ICT=INC-1
C
C      DO 100 IG=1,NGRD
C      FLOW(1,IG)=FORCE(36,IG)
C      FLOW(1,11)=FLOW(1,IG)+FLOW(1,11)
C      FLOW(2,IG)=PROM(36,ICT,IG)
C      FLOW(2,11)=FLOW(2,IG)+FLOW(2,11)
C      DO 110 IT=1,11
C      FLOW(IT+2,IG)=TGL(IT,IG,ICT)
C      FLOW(IT+2,11)=FLOW(IT+2,IG)+FLOW(IT+2,11)
110     CONTINUE

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ML003690
ML003700
ML003710
ML003720
ML003730
ML003740
ML003750
ML003760
ML003770
ML003780
ML003790
ML003800
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ML003980
ML003990
ML004000
ML004010
ML004020
ML004030
ML004040
ML004050
ML004060
ML004070
ML004080
ML004090
ML004100
ML004110
ML004120
ML004130
ML004140

	DO 120 IT=2,13	MLO04150
	FLOW(14,IG)=FLOW(IT,IG)+FLOW(14,IG)	MLO04160
120	CONTINUE	MLO04170
	FLOW(14,11)=FLOW(14,IG)+FLOW(14,11)	MLO04180
	FLOW(15,IG)=TGAINS(36,IG,1)	MLO04190
	FLOW(15,11)=FLOW(15,IG)+FLOW(15,11)	MLO04200
	FLOW(16,IG)=TGAINS(36,IG,2)	MLO04210
	FLOW(16,11)=FLOW(16,IG)+FLOW(16,11)	MLO04220
	IF(IG.EQ.1)GO TO 125	MLO04230
	FLOW(17,IG)=PROM(36,ICT,IG-1)	MLO04240
	FLOW(17,11)=FLOW(17,IG)+FLOW(17,11)	MLO04250
125	DO 130 IT=15,17	MLO04260
	FLOW(18,IG)=FLOW(IT,IG)+FLOW(18,IG)	MLO04270
130	CONTINUE	MLO04280
	FLOW(18,11)=FLOW(18,IG)+FLOW(18,11)	MLO04290
	FLOW(19,IG)=FLOW(1,IG)-FLOW(14,IG)+FLOW(18,IG)	MLO04300
100	CONTINUE	MLO04310
	FLOW(19,11)=FLOW(1,11)-FLOW(14,11)+FLOW(18,11)	MLO04320
C		MLO04330
	IF(ICT.LT.16) WRITE(IO,301) NAMGAT(ICT,1)	MLO04340
	IF(ICT.EQ.16) WRITE(IO,302)	MLO04350
301	FORMAT(1X,39(1H*),	MLO04360
	1' FLOW RECONCILIATION CATEGORY= ' ,A4,4X,43(1H*),/)	MLO04370
302	FORMAT(1X,39(1H*),	MLO04380
	1' FLOW RECONCILIATION CATEGORY= TOTAL FORCE ' ,	MLO04390
	239(1H*),/)	MLO04400
C		MLO04410
	WRITE(IO,303)	MLO04420
303	FORMAT(17X,' GRADE-1 GRADE-2 GRADE-3 GRADE-4 GRADE-5 ' ,	MLO04430
	1' GRADE-6 GRADE-7 GRADE-8 GRADE-9 GRADE-10 TOTAL',/)	MLO04440
C		MLO04450
	WRITE(IO,304) (ID(K,1),K=1,4),(FLOW(1,K),K=1,11)	MLO04460
304	FORMAT(1X,4A4,11F9.0)	MLO04470
	WRITE(IO,305)	MLO04480
305	FORMAT(/,1X,'*****LOSSES*****')	MLO04490
	DO 306 I=2,14	MLO04500
	WRITE(IO,304) (ID(K,I),K=1,4),(FLOW(I,K),K=1,11)	MLO04510
306	CONTINUE	MLO04520
	WRITE(IO,307)	MLO04530
307	FORMAT(/,1X,'*****GAINS*****')	MLO04540
	DO 308 I=15,18	MLO04550
	WRITE(IO,304) (ID(K,I),K=1,4),(FLOW(I,K),K=1,11)	MLO04560
308	CONTINUE	MLO04570
	WRITE(IO,309) (ID(K,19),K=1,4),(FLOW(19,K),K=1,11)	MLO04580
309	FORMAT(/,1X,4A4,11F9.0)	MLO04590
C		MLO04600

	RETURN	MLO04610
	END	MLO04620
C		MLO04630
	SUBROUTINE HEADER(10)	MLO04640
	COMMON/INFO/TITLE,NAMFIL,NAMTYP	MLO04650
	INTEGER TITLE(65),NAMFIL(2),NAMTYP(2),DATE(2),TIME(2)	MLO04660
C		MLO04670
	CALL QTIME(DATE,TIME)	MLO04680
	WRITE(10,10) TITLE,NAMFIL,NAMTYP,DATE,TIME	MLO04690
10	FORMAT(1H1,////,1X,128(1H*),/,1X,'*',29X,65A1,32X,'*',/,	MLO04700
	11X,'*',126X,'*',/,1X,'*', ' FILENAME= ',2A4,3X,2A4,	MLO04710
	240X,'DATE= ',2A4,10X,'TIME= ',2A4,16X,'*',/,	MLO04720
	31X,128(1H*),//)	MLO04730
	RETURN	MLO04740
	END	MLO04750

* FILENAME= ACE09CAT CURRENT DATE= 01/30/84 TIME= 09:31:45 *
* EXAMPLE RUN OF ARMY ENLISTED CURR OBJ FILE (ACE09CAT) *

***** TOTAL FORCE DISPLAY *****

YOS	G:10	G:0TH	GRD-1	GRD-2	GRD-3	GRD-4	GRD-5	GRD-6	GRD-7	GRD-8	GRD-9	GRD10	TOTAL LOSSES	LOSS	RETN	CONT	
1	132357.	0.	0.	0.	132357.	0.	0.	0.	0.	0.	0.	0.	132357.	17169.	0.1297	0.8703	1.0000
2	327.	0.	0.	0.	67778.	47737.	0.	0.	0.	0.	0.	0.	115516.	9851.	0.0854	0.9146	0.8703
3	863.	0.	0.	0.	23379.	77940.	5198.	0.	0.	0.	0.	0.	106517.	57134.	0.5364	0.4636	0.7960
4	2432.	0.	0.	0.	5777.	28778.	17260.	0.	0.	0.	0.	0.	51816.	20416.	0.3940	0.6060	0.3690
5	144.	0.	0.	0.	0.	11302.	20241.	0.	0.	0.	0.	0.	31543.	3253.	0.1031	0.8969	0.2236
6	10.	0.	0.	0.	0.	5363.	22263.	674.	0.	0.	0.	0.	28300.	3470.	0.1226	0.8774	0.2006
7	12.	0.	0.	0.	0.	3549.	19209.	2084.	0.	0.	0.	0.	24842.	2797.	0.1126	0.8874	0.1760
8	23.	0.	0.	0.	0.	2392.	12652.	6971.	54.	0.	0.	0.	22069.	3006.	0.1362	0.8638	0.1562
9	22.	0.	0.	0.	0.	1679.	6443.	10888.	74.	0.	0.	0.	19084.	2368.	0.1241	0.8759	0.1349
10	20.	0.	0.	0.	0.	1314.	3736.	11470.	216.	0.	0.	0.	16736.	2482.	0.1483	0.8517	0.1182
11	0.	0.	0.	0.	0.	C.	2515.	11301.	438.	0.	0.	0.	14254.	1184.	0.0837	0.9169	0.1006
12	1.	0.	0.	0.	0.	0.	1911.	9202.	1924.	34.	0.	0.	13071.	806.	0.0616	0.9384	0.0923
13	4.	0.	0.	0.	0.	0.	1559.	7341.	3316.	54.	0.	0.	12270.	906.	0.0738	0.9262	0.0866
14	2.	0.	0.	0.	0.	0.	1223.	4681.	5379.	83.	0.	0.	11366.	479.	0.0421	0.9579	0.0802
15	3.	0.	0.	0.	0.	0.	1091.	3479.	6174.	146.	0.	0.	10890.	408.	0.0375	0.9625	0.0768
16	1.	0.	0.	0.	0.	0.	1018.	2669.	6500.	296.	0.	0.	10483.	318.	0.0303	0.9697	0.0739
17	4.	0.	0.	0.	0.	0.	964.	2202.	6374.	618.	11.	0.	10169.	274.	0.0269	0.9731	0.0717
18	0.	0.	0.	0.	0.	0.	926.	1991.	5866.	1097.	15.	0.	9895.	321.	0.0325	0.9675	0.0698
19	0.	0.	0.	0.	0.	0.	869.	1878.	4750.	2033.	24.	0.	9574.	359.	0.0375	0.9625	0.0675
20	0.	0.	0.	0.	0.	0.	841.	1772.	3879.	2679.	43.	0.	9215.	3685.	0.3999	0.6001	0.0650
21	0.	0.	0.	0.	0.	0.	498.	1012.	1534.	2406.	79.	0.	5530.	2106.	0.3809	0.6191	0.0390
22	0.	0.	0.	0.	0.	0.	0.	644.	568.	2055.	156.	0.	3424.	870.	0.2542	0.7458	0.0241
23	0.	0.	0.	0.	0.	0.	0.	463.	339.	1456.	295.	0.	2553.	886.	0.3471	0.5529	0.0180
24	0.	0.	0.	0.	0.	0.	0.	0.	225.	856.	586.	0.	1667.	500.	0.2999	0.7001	0.0118
25	0.	0.	0.	0.	0.	0.	G.	0.	135.	432.	600.	0.	1167.	133.	0.1140	0.8860	0.0082
26	0.	0.	0.	0.	0.	0.	0.	0.	112.	306.	616.	0.	1034.	297.	0.2872	0.7128	0.0073
27	0.	0.	0.	0.	0.	0.	0.	0.	0.	183.	554.	0.	737.	189.	0.2565	0.7435	0.0052
28	0.	0.	0.	0.	0.	0.	0.	0.	0.	101.	447.	0.	548.	136.	0.2482	0.7518	0.0039
29	0.	0.	0.	0.	0.	0.	0.	0.	0.	65.	347.	0.	412.	89.	0.2160	0.7840	0.0029
30	0.	0.	0.	0.	0.	0.	0.	0.	0.	51.	272.	0.	323.	323.	1.0000	0.0	0.0023
31	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	0.0
32	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	0.0
33	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	0.0
34	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	0.0
35	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	0.0

H-143

TOT	136225.	0.	0.	0.	229292.	180054.	120438.	80722.	47858.	14953.	4045.	0.	677360.	136225.	0.2011	0.7989	4.9724
AVERAGE YOS		0.0	0.0	0.0	1.08	2.86	6.54	11.49	16.95	20.33	25.32	0.0					5.39
PRODUCTIVITY		0.0	0.	0.	32967.	98086.	113524.	80722.	47858.	14953.	4045.	0.					39256.

 * FILENAME= ACE09CAT CURRENT DATE= 01/30/84 TIME= 09:31:45
 * EXAMPLE RUN OF ARMY ENLISTED CURR OBJ FILE (ACE09CAT)

***** TOTAL FORCE LOSS DISPLAY *****

YR	XPROTH	XPROFF	DEATH	RETDIS	REI FC	RETVOL	RETIW	OTHDIS	OTH FC	OTHVOL	OTHINW	PROMOUT	TOTALS
1	0.	22.	71.	92.	0.	0.	0.	588.	262.	646.	15488.	0.	17169.
2	0.	97.	168.	134.	0.	0.	0.	233.	2.	2718.	6510.	0.	9861.
3	0.	40.	457.	800.	0.	0.	0.	435.	27.	34525.	20849.	0.	57134.
4	0.	50.	39.	119.	0.	0.	0.	79.	5773.	13612.	804.	0.	20416.
5	0.	52.	23.	31.	0.	0.	0.	14.	0.	2827.	306.	0.	3253.
6	0.	65.	50.	79.	0.	0.	0.	33.	15.	2472.	756.	0.	3470.
7	0.	96.	23.	34.	0.	0.	0.	16.	3.	2332.	303.	0.	2797.
8	0.	97.	27.	81.	0.	0.	0.	29.	11.	2367.	395.	0.	3006.
9	0.	90.	33.	61.	0.	0.	0.	29.	9.	1873.	273.	0.	2368.
10	0.	133.	23.	41.	0.	0.	0.	21.	1306.	834.	124.	0.	2482.
11	0.	85.	37.	78.	0.	0.	0.	8.	11.	784.	181.	0.	1184.
12	0.	82.	27.	35.	0.	0.	0.	10.	10.	528.	114.	0.	806.
13	0.	74.	20.	87.	0.	0.	0.	4.	8.	578.	135.	0.	906.
14	0.	91.	14.	52.	0.	0.	0.	5.	4.	258.	55.	0.	479.
15	0.	40.	14.	65.	0.	0.	0.	3.	29.	215.	42.	0.	408.
16	0.	38.	18.	60.	0.	0.	0.	4.	10.	132.	56.	0.	318.
17	0.	19.	32.	64.	0.	0.	0.	12.	4.	123.	20.	0.	274.
18	0.	9.	62.	76.	0.	0.	0.	0.	19.	105.	50.	0.	321.
19	0.	4.	26.	103.	0.	0.	0.	36.	6.	180.	4.	0.	359.
20	0.	0.	6.	102.	8.	3569.	0.	0.	0.	0.	0.	0.	3685.
21	0.	0.	2.	51.	498.	1555.	0.	0.	0.	0.	0.	0.	2106.
22	0.	0.	2.	34.	0.	834.	0.	0.	0.	0.	0.	0.	870.
23	0.	0.	4.	16.	462.	404.	0.	0.	0.	0.	0.	0.	886.
24	0.	0.	4.	22.	0.	474.	0.	0.	0.	0.	0.	0.	500.
25	0.	0.	0.	6.	0.	127.	0.	0.	0.	0.	0.	0.	133.
26	0.	0.	10.	17.	108.	162.	0.	0.	0.	0.	0.	0.	297.
27	0.	0.	0.	5.	0.	184.	0.	0.	0.	0.	0.	0.	189.
28	0.	0.	1.	1.	0.	134.	0.	0.	0.	0.	0.	0.	136.
29	0.	0.	0.	2.	312.	1.	0.	0.	0.	0.	0.	0.	89.
30	0.	0.	1.	10.	0.	86.	0.	0.	0.	0.	0.	0.	323.
31	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
32	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
33	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
34	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
35	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.

H-144

0. 1174. 1194. 2358. 1389. 7530. 0. 1558. 7448. 67109. 46465. 0. 136225.

RETIRED POPULATION

105152. 43219. 251787. 0.

400159.

 * FILENAME= ACED9CAT CURRENT DATE= 01/30/84 TIME= 09:31:47 *
 * EXAMPLE RUN OF ARMY ENLISTED CURR OBJ FILE (ACED9CAT) *

***** CATEGORY= TOTAL FORCE *****

***** FLOW RECONCILIATION *****
 GRADE-1 GRADE-2 GRADE-3 GRADE-4 GRADE-5 GRADE-6 GRADE-7 GRADE-8 GRADE-9 GRADE-10 TOTAL
 BEGIN STRENGTH 0. 0. 229292. 180054. 120438. 80722. 47858. 14953. 4045. 0. 677362.

***** LOSSES *****
 PROM-OUT 0. 0. 90942. 35091. 16184. 8469. 4375. 1104. 0. 0. 156164.
 LOSS:XFR-OTH 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.
 LOSS:XFR-OFF 0. 0. 102. 86. 187. 465. 332. 2. 0. 0. 1174.
 LOSS:DEATH 0. 0. 179. 546. 136. 151. 141. 31. 0. 0. 1194.
 LOSS:RET-DIS 0. 0. 341. 808. 275. 346. 418. 140. 30. 0. 2358.
 LOSS:RET-FC 0. 0. 0. 0. 495. 466. 111. 52. 265. 0. 1389.
 LOSS:RET-VOL 0. 0. 0. 0. 326. 1156. 2302. 2948. 797. 0. 7530.
 LOSS:RET-INV 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.
 LOSS:OTH-DIS 0. 0. 795. 533. 120. 60. 46. 4. 0. 0. 1558.
 LOSS:OTH-FC 0. 0. 5982. 1329. 35. 52. 50. 0. 0. 0. 7448.
 LOSS:OTH-VOL 0. 0. 4298. 41688. 16079. 4376. 574. 92. 1. 0. 67109.
 LOSS:OTH-INV 0. 0. 31652. 12327. 1705. 658. 120. 2. 0. 0. 46465.
 TOTAL LOSSES 0. 0. 134291. 92407. 35542. 16200. 8470. 4375. 1104. 0. 292389.

***** GAINS *****
 GAINS TO 0. 0. 134291. 1465. 452. 16. 1. 0. 0. 0. 136225.
 GAINS OTHER 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.
 PROM-IN 0. 0. 0. 90942. 35091. 16184. 8469. 4375. 1104. 0. 156164.
 TOTAL GAINS 0. 0. 134291. 92407. 35543. 16200. 8470. 4375. 1104. 0. 292389.
 END STRENGTH 0. 0. 229292. 180054. 120438. 80722. 47858. 14953. 4045. 0. 677362.

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 * FILENAME= ACE09CAT CURRENT DATE= 01/30/84 TIME= 09:31:47 *
 * EXAMPLE RUN OF ARMY ENLISTED CURR OBJ FILE (ACE09CAT) *****

 * FORCE DISPLAY ***** CATEGORY= 00 *****

| YOS | G:TO | G:OTH | GRD-1 | GRD-2 | GRD-3 | GRD-4 | GRD-5 | GRD-6 | GRD-7 | GRD-8 | GRD-9 | GRD10 | TOTAL LOSSES | LOSS | RETN | CONT | |
|-----|--------|-------|-------|-------|--------|--------|-------|-------|-------|-------|-------|-------|--------------|--------|--------|--------|--------|
| 1 | 34861. | 0. | 0. | 0. | 34861. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 34861. | 4525. | 0.1298 | 0.8702 | 1.0000 |
| 2 | 110. | 0. | 0. | 0. | 18728. | 11718. | 0. | 0. | 0. | 0. | 0. | 0. | 30446. | 0.0802 | 0.9198 | 0.8702 | |
| 3 | 253. | 0. | 0. | 0. | 6404. | 21122. | 731. | 0. | 0. | 0. | 0. | 0. | 28256. | 0.5547 | 0.4453 | 0.8004 | |
| 4 | 723. | 0. | 0. | 0. | 1574. | 9296. | 2437. | 0. | 0. | 0. | 0. | 0. | 13306. | 0.4146 | 0.5854 | 0.3564 | |
| 5 | 84. | 0. | 0. | 0. | 0. | 2368. | 5506. | 0. | 0. | 0. | 0. | 0. | 7874. | 0.1205 | 0.8795 | 0.2087 | |
| 6 | 2. | 0. | 0. | 0. | 0. | 1294. | 5513. | 120. | 0. | 0. | 0. | 0. | 6927. | 0.1417 | 0.8583 | 0.1835 | |
| 7 | 2. | 0. | 0. | 0. | 0. | 926. | 4707. | 315. | 0. | 0. | 0. | 0. | 5948. | 0.1251 | 0.8749 | 0.1575 | |
| 8 | 10. | 0. | 0. | 0. | 0. | 690. | 2129. | 2380. | 15. | 0. | 0. | 0. | 5214. | 0.1456 | 0.8544 | 0.1378 | |
| 9 | 9. | 0. | 0. | 0. | 0. | 521. | 1094. | 2833. | 16. | 0. | 0. | 0. | 4464. | 0.1315 | 0.8685 | 0.1178 | |
| 10 | 9. | 0. | 0. | 0. | 0. | 426. | 697. | 2734. | 29. | 0. | 0. | 0. | 3886. | 0.1719 | 0.8281 | 0.1023 | |
| 11 | 9. | 0. | 0. | 0. | 0. | 0. | 464. | 2704. | 50. | 0. | 0. | 0. | 3218. | 0.0854 | 0.9146 | 0.0847 | |
| 12 | 0. | 0. | 0. | 0. | 0. | 0. | 349. | 2289. | 293. | 12. | 0. | 0. | 2943. | 0.0767 | 0.9233 | 0.0775 | |
| 13 | 0. | 0. | 0. | 0. | 0. | 0. | 268. | 1956. | 475. | 19. | 0. | 0. | 2718. | 0.0783 | 0.9217 | 0.0715 | |
| 14 | 1. | 0. | 0. | 0. | 0. | 0. | 249. | 1159. | 1070. | 28. | 0. | 0. | 2506. | 0.0371 | 0.9629 | 0.0659 | |
| 15 | 1. | 0. | 0. | 0. | 0. | 0. | 0. | 238. | 1315. | 48. | 0. | 0. | 2414. | 0.0269 | 0.9731 | 0.0635 | |
| 16 | 1. | 0. | 0. | 0. | 0. | 0. | 0. | 236. | 1434. | 93. | 0. | 0. | 2350. | 0.0196 | 0.9804 | 0.0618 | |
| 17 | 1. | 0. | 0. | 0. | 0. | 0. | 0. | 224. | 1400. | 212. | 3. | 0. | 2305. | 0.0108 | 0.9892 | 0.0606 | |
| 18 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 217. | 1282. | 368. | 4. | 0. | 2280. | 0.0110 | 0.9890 | 0.0599 | |
| 19 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 209. | 964. | 695. | 8. | 0. | 2255. | 0.0102 | 0.9898 | 0.0592 | |
| 20 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 202. | 750. | 507. | 18. | 0. | 2232. | 0.0399 | 0.6401 | 0.0586 | |
| 21 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 123. | 238. | 825. | 24. | 0. | 1429. | 0.0366 | 0.6534 | 0.0375 | |
| 22 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 148. | 63. | 674. | 48. | 0. | 933. | 0.2412 | 0.7588 | 0.0245 | |
| 23 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 108. | 39. | 476. | 85. | 0. | 708. | 0.3221 | 0.6779 | 0.0186 | |
| 24 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 23. | 259. | 198. | 0. | 480. | 0.3083 | 0.6917 | 0.0126 | |
| 25 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 12. | 110. | 210. | 0. | 332. | 0.1145 | 0.8855 | 0.0087 | |
| 26 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 9. | 75. | 210. | 0. | 294. | 0.2279 | 0.7721 | 0.0077 | |
| 27 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 38. | 189. | 0. | 227. | 0.2600 | 0.7400 | 0.0060 | |
| 28 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 15. | 153. | 0. | 168. | 0.2440 | 0.7560 | 0.0044 | |
| 29 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 11. | 116. | 0. | 127. | 0.2913 | 0.7087 | 0.0033 | |
| 30 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 9. | 81. | 0. | 90. | 0.1006 | 0.0000 | 0.0024 | |
| 31 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0.0 | 1.0000 | 0.0000 | |
| 32 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0.0 | 1.0000 | 0.0000 | |
| 33 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0.0 | 1.0000 | 0.0000 | |
| 34 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0.0 | 1.0000 | 0.0000 | |
| 35 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0.0 | 1.0000 | 0.0000 | |

H-146

TOT 36067. 0. 0. 0. 0. 61566. 48359. 25593. 19968. 9479. 4876. 1348. 0. 171189. 36067. 0.2107 0.7893 4.7465
 AVERAGE YOS 0.0 0.0 0.0 0.0 1.09 2.90 6.58 11.27 16.07 20.14 25.33 0.0 5.17
 PRODUCTIVITY 0.0 0.0 0.0 0.0 9064. 26686. 24619. 19968. 9479. 4876. 1348. 0. 96039.

 * FILENAME= ACE09CAT CURRENT DATE= 01/30/84 TIME= 09:31.48 *
 * EXAMPLE RUN OF ARMY ENLISTED CURR OBJ FILE (ACE09CAT) *

***** CATEGORY= 00 LOSS DISPLAY *****

| YR | XFROTH | XFROFF | DEATH | RETDIS | RET | FC | RETVOL | RETINV | OTHDIS | OTH | FC | OTHVOL | OTHINV | PROMOUT | TOTALS |
|----|--------|--------|-------|--------|-----|----|--------|--------|--------|------|------|--------|--------|---------|--------|
| 1 | 0 | 10 | 17 | 31 | 0 | 0 | 0 | 0 | 230 | 42 | 91 | 4103 | 0 | 4525 | |
| 2 | 0 | 61 | 47 | 46 | 0 | 0 | 0 | 0 | 48 | 2 | 454 | 1776 | 0 | 2443 | |
| 3 | 0 | 5 | 157 | 192 | 0 | 0 | 0 | 0 | 110 | 3 | 8523 | 6683 | 0 | 15673 | |
| 4 | 0 | 12 | 14 | 19 | 0 | 0 | 0 | 0 | 13 | 1563 | 3593 | 303 | 0 | 5517 | |
| 5 | 0 | 17 | 3 | 5 | 0 | 0 | 0 | 0 | 3 | 0 | 847 | 73 | 0 | 948 | |
| 6 | 0 | 16 | 23 | 36 | 0 | 0 | 0 | 0 | 16 | 5 | 527 | 359 | 0 | 981 | |
| 7 | 0 | 7 | 3 | 6 | 0 | 0 | 0 | 0 | 3 | 1 | 600 | 124 | 0 | 744 | |
| 8 | 0 | 15 | 4 | 13 | 0 | 0 | 0 | 0 | 1 | 3 | 576 | 137 | 0 | 759 | |
| 9 | 0 | 13 | 5 | 16 | 0 | 0 | 0 | 0 | 8 | 1 | 462 | 82 | 0 | 587 | |
| 10 | 0 | 11 | 6 | 5 | 0 | 0 | 0 | 0 | 3 | 426 | 162 | 55 | 0 | 668 | |
| 11 | 0 | 7 | 17 | 13 | 0 | 0 | 0 | 0 | 3 | 7 | 172 | 56 | 0 | 275 | |
| 12 | 0 | 4 | 7 | 12 | 0 | 0 | 0 | 0 | 2 | 4 | 164 | 33 | 0 | 226 | |
| 13 | 0 | 4 | 0 | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 160 | 34 | 0 | 213 | |
| 14 | 0 | 3 | 2 | 12 | 0 | 0 | 0 | 0 | 0 | 3 | 53 | 20 | 0 | 93 | |
| 15 | 0 | 2 | 9 | 7 | 0 | 0 | 0 | 0 | 1 | 5 | 28 | 13 | 0 | 65 | |
| 16 | 0 | 0 | 10 | 7 | 0 | 0 | 0 | 0 | 2 | 0 | 20 | 7 | 0 | 46 | |
| 17 | 0 | 0 | 0 | 11 | 0 | 0 | 0 | 0 | 0 | 4 | 7 | 3 | 0 | 25 | |
| 18 | 0 | 0 | 1 | 7 | 0 | 0 | 0 | 0 | 0 | 4 | 12 | 1 | 0 | 25 | |
| 19 | 0 | 0 | 2 | 7 | 0 | 0 | 0 | 0 | 4 | 0 | 8 | 2 | 0 | 23 | |
| 20 | 0 | 0 | 0 | 24 | 0 | 0 | 779 | 0 | 0 | 0 | 0 | 0 | 0 | 803 | |
| 21 | 0 | 0 | 0 | 13 | 123 | 0 | 359 | 0 | 0 | 0 | 0 | 0 | 0 | 495 | |
| 22 | 0 | 0 | 1 | 8 | 0 | 0 | 216 | 0 | 0 | 0 | 0 | 0 | 0 | 225 | |
| 23 | 0 | 0 | 1 | 4 | 108 | 0 | 115 | 0 | 0 | 0 | 0 | 0 | 0 | 228 | |
| 24 | 0 | 0 | 0 | 3 | 0 | 0 | 145 | 0 | 0 | 0 | 0 | 0 | 0 | 148 | |
| 25 | 0 | 0 | 0 | 3 | 0 | 0 | 35 | 0 | 0 | 0 | 0 | 0 | 0 | 38 | |
| 26 | 0 | 0 | 0 | 2 | 9 | 0 | 56 | 0 | 0 | 0 | 0 | 0 | 0 | 67 | |
| 27 | 0 | 0 | 0 | 0 | 0 | 0 | 59 | 0 | 0 | 0 | 0 | 0 | 0 | 59 | |
| 28 | 0 | 0 | 0 | 0 | 0 | 0 | 41 | 0 | 0 | 0 | 0 | 0 | 0 | 41 | |
| 29 | 0 | 0 | 0 | 0 | 0 | 0 | 37 | 0 | 0 | 0 | 0 | 0 | 0 | 37 | |
| 30 | 0 | 0 | 1 | 4 | 85 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 90 | |
| 31 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 32 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 33 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 34 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 35 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |

H-147

H-147

G. 187. 330. 521. 325. 1843. 0. 457. 2072. 16468. 13864. 0. 36067.

RETIRED POPULATION 23824. 10092. 61086. 0. 95002.
 1-----({ 71178. }-----)

 * FILENAME= ACE09CAT CURRENT DATE= 01/30/84 TIME= 09:31:48 *
 * EXAMPLE RUN OF ARMY ENLISTED CURR OBJ FILE (ACE09CAT) *

***** CATEGORY= 00 *****

***** FLOW RECONCILIATION *****

| | GRADE-1 | GRADE-2 | GRADE-3 | GRADE-4 | GRADE-5 | GRADE-6 | GRADE-7 | GRADE-8 | GRADE-9 | GRADE-10 | TOTAL |
|------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|---------|
| BEGIN STRENGTH | 0. | 0. | 61566. | 48359. | 25593. | 19968. | 9479. | 4876. | 1348. | 0. | 171189. |
| *****LOSSES***** | | | | | | | | | | | |
| PROM-OUT | 0. | 0. | 23788. | 7714. | 3875. | 1932. | 1344. | 372. | 0. | 0. | 39024. |
| LOSS:XFR-OTH | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| LOSS:XFR-OFF | 0. | 0. | 66. | 20. | 30. | 52. | 19. | 0. | 0. | 0. | 187. |
| LOSS:DEATH | 0. | 0. | 51. | 177. | 39. | 39. | 21. | 1. | 2. | 0. | 330. |
| LOSS:RET-DIS | 0. | 0. | 97. | 202. | 54. | 67. | 50. | 45. | 6. | 0. | 521. |
| LOSS:RET-FC | 0. | 0. | 0. | 0. | 123. | 108. | 9. | 9. | 76. | 0. | 325. |
| LOSS:RET-VOL | 0. | 0. | 0. | 0. | 73. | 214. | 362. | 905. | 288. | 0. | 1843. |
| LOSS:RET-INV | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| LOSS:OTH-DIS | 0. | 0. | 278. | 127. | 31. | 17. | 1. | 4. | 0. | 0. | 457. |
| LOSS:OTH-FC | 0. | 0. | 1608. | 433. | 6. | 20. | 9. | 0. | 0. | 0. | 2072. |
| LOSS:OTH-VOL | 0. | 0. | 811. | 11282. | 3069. | 1202. | 97. | 7. | 0. | 0. | 16468. |
| LOSS:OTH-INV | 0. | 0. | 8839. | 4185. | 590. | 229. | 21. | 0. | 0. | 0. | 13864. |
| TOTAL LOSSES | 0. | 0. | 35538. | 24136. | 7890. | 3879. | 1933. | 1344. | 372. | 0. | 75090. |
| *****GAINS***** | | | | | | | | | | | |
| GAINS TO | 0. | 0. | 35538. | 348. | 176. | 4. | 1. | 0. | 0. | 0. | 36067. |
| GAINS OTHER | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| PROM-IN | 0. | 0. | 0. | 23788. | 7714. | 3875. | 1932. | 1344. | 372. | 0. | 39024. |
| TOTAL GAINS | 0. | 0. | 35538. | 24136. | 7890. | 3879. | 1933. | 1344. | 372. | 0. | 75090. |
| END STRENGTH | 0. | 0. | 61566. | 48359. | 25593. | 19968. | 9479. | 4876. | 1348. | 0. | 171189. |

 * FILENAME= ACE09CAT CURRENT DATE= 01/30/84 TIME= 09:31:49 *
 * EXAMPLE RUN OF ARMY ENLISTED CURR OBJ FILE (ACE09CAT) *

 * FORCE DISPLAY*****CATEGORY= 01 *****

| YOS | G:TO | G:OTH | GRD-1 | GRD-2 | GRD-3 | GRD-4 | GRD-5 | GRD-6 | GRD-7 | GRD-8 | GRD-9 | GRD10 | TOTAL LOSSES | LOSS | RETN | CONT | |
|--------------|-------|-------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|--------------|-------|--------|--------|--------|
| 1 | 6736. | 0. | 0. | 0. | 6736. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 6736. | 923. | 0.1370 | 0.8630 | 1.0000 |
| 2 | 16. | 0. | 0. | 0. | 3851. | 1977. | 0. | 0. | 0. | 0. | 0. | 0. | 5827. | 467. | 0.0801 | 0.9199 | 0.8630 |
| 3 | 33. | 0. | 0. | 0. | 1353. | 3632. | 409. | 0. | 0. | 0. | 0. | 0. | 5394. | 2681. | 0.4971 | 0.5029 | 0.7939 |
| 4 | 106. | 0. | 0. | 0. | 275. | 1073. | 1471. | 0. | 0. | 0. | 0. | 0. | 2818. | 1292. | 0.4583 | 0.5417 | 0.3992 |
| 5 | 2. | 0. | 0. | 0. | 0. | 346. | 1183. | 0. | 0. | 0. | 0. | 0. | 1529. | 116. | 0.0758 | 0.9242 | 0.2163 |
| 6 | 0. | 0. | 0. | 0. | 0. | 166. | 1183. | 64. | 0. | 0. | 0. | 0. | 1413. | 115. | 0.0813 | 0.9187 | 0.1999 |
| 7 | 2. | 0. | 0. | 0. | 0. | 114. | 993. | 193. | 0. | 0. | 0. | 0. | 1300. | 43. | 0.0331 | 0.9669 | 0.1836 |
| 8 | 3. | 0. | 0. | 0. | 0. | 62. | 586. | 609. | 3. | 0. | 0. | 0. | 1260. | 53. | 0.0420 | 0.9580 | 0.1776 |
| 9 | 4. | 0. | 0. | 0. | 0. | 38. | 286. | 884. | 3. | 0. | 0. | 0. | 1211. | 121. | 0.0999 | 0.9001 | 0.1701 |
| 10 | 2. | 0. | 0. | 0. | 0. | 31. | 166. | 884. | 11. | 0. | 0. | 0. | 1092. | 95. | 0.0869 | 0.9131 | 0.1531 |
| 11 | 0. | 0. | 0. | 0. | 0. | 0. | 101. | 871. | 25. | 0. | 0. | 0. | 997. | 66. | 0.0661 | 0.9339 | 0.1398 |
| 12 | 0. | 0. | 0. | 0. | 0. | 0. | 74. | 768. | 88. | 1. | 0. | 0. | 931. | 56. | 0.0601 | 0.9399 | 0.1306 |
| 13 | 0. | 0. | 0. | 0. | 0. | 0. | 59. | 582. | 233. | 1. | 0. | 0. | 875. | 64. | 0.0731 | 0.9269 | 0.1227 |
| 14 | 0. | 0. | 0. | 0. | 0. | 0. | 44. | 344. | 421. | 2. | 0. | 0. | 811. | 25. | 0.0358 | 0.9642 | 0.1137 |
| 15 | 0. | 0. | 0. | 0. | 0. | 0. | 39. | 272. | 466. | 5. | 0. | 0. | 782. | 28. | 0.0358 | 0.9642 | 0.1097 |
| 16 | 0. | 0. | 0. | 0. | 0. | 0. | 39. | 228. | 475. | 12. | 0. | 0. | 754. | 25. | 0.0331 | 0.9669 | 0.1057 |
| 17 | 1. | 0. | 0. | 0. | 0. | 0. | 36. | 199. | 465. | 30. | 0. | 0. | 730. | 16. | 0.0219 | 0.9781 | 0.1022 |
| 18 | 0. | 0. | 0. | 0. | 0. | 0. | 33. | 182. | 444. | 55. | 0. | 0. | 714. | 24. | 0.0336 | 0.9664 | 0.1000 |
| 19 | 0. | 0. | 0. | 0. | 0. | 0. | 33. | 174. | 355. | 128. | 0. | 0. | 690. | 27. | 0.0392 | 0.9608 | 0.0966 |
| 20 | 0. | 0. | 0. | 0. | 0. | 0. | 33. | 161. | 307. | 161. | 1. | 0. | 663. | 251. | 0.3786 | 0.6214 | 0.0928 |
| 21 | 0. | 0. | 0. | 0. | 0. | 0. | 19. | 100. | 145. | 147. | 1. | 0. | 412. | 145. | 0.3519 | 0.6481 | 0.0577 |
| 22 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 66. | 68. | 129. | 4. | 0. | 267. | 72. | 0.2696 | 0.7304 | 0.0374 |
| 23 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 47. | 46. | 95. | 7. | 0. | 195. | 81. | 0.4154 | 0.5846 | 0.0273 |
| 24 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 37. | 60. | 17. | 0. | 114. | 37. | 0.3246 | 0.6754 | 0.0160 |
| 25 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 25. | 34. | 18. | 0. | 77. | 9. | 0.1169 | 0.8831 | 0.0108 |
| 26 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 22. | 25. | 21. | 0. | 68. | 28. | 0.4118 | 0.5882 | 0.0095 |
| 27 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 17. | 23. | 0. | 40. | 8. | 0.2000 | 0.8000 | 0.0056 |
| 28 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 13. | 19. | 0. | 32. | 7. | 0.2187 | 0.7813 | 0.0045 |
| 29 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 7. | 18. | 0. | 25. | 6. | 0.2400 | 0.7600 | 0.0035 |
| 30 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 6. | 13. | 0. | 19. | 19. | 1.0000 | 0.0000 | 0.0027 |
| 31 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0.0000 | 1.0000 | 0.0000 |
| 32 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0.0000 | 1.0000 | 0.0000 |
| 33 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0.0000 | 1.0000 | 0.0000 |
| 34 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0.0000 | 1.0000 | 0.0000 |
| 35 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0.0000 | 1.0000 | 0.0000 |
| TOT | 6903. | 0. | 0. | 0. | 12214. | 7438. | 6787. | 6629. | 3640. | 928. | 142. | 0. | 37779. | 6903. | 0.1827 | 0.8173 | 5.4728 |
| AVERAGE YOS | | | 0.0 | 0.0 | 1.10 | 2.70 | 5.91 | 11.59 | 16.39 | 20.76 | 25.97 | 0.0 | 6.17 | | | | |
| PRODUCTIVITY | | | 0. | 0. | 1845. | 3871. | 6215. | 6629. | 3640. | 928. | 142. | 0. | 23271. | | | | |

H-149

*
* FILENAME= ACE09CAT CURRENT DATE= 01/30/84 TIME= 09:31:49
*
*

EXAMPLE RUN OF ARMY ENLISTED CURR 08J FILE (ACE09CAT)

*
* LOSS DISPLAY CATEGORY= 01

| YR | XFROTH | XFROFF | DEATH | RETDIS | RET FC | RETVOL | RETIW | OTHDIS | OTH FC | OTHVOL | OTHIRV | PROMOUT | TOTALS |
|----|--------|--------|-------|--------|--------|--------|-------|--------|--------|--------|--------|---------|--------|
| 1 | 0. | 2. | 6. | 4. | 0. | 0. | 0. | 39. | 11. | 17. | 844. | 0. | 923. |
| 2 | 0. | 3. | 4. | 4. | 0. | 0. | 0. | 17. | 0. | 59. | 380. | 0. | 467. |
| 3 | 0. | 1. | 26. | 49. | 0. | 0. | 0. | 14. | 9. | 1520. | 1062. | 0. | 2681. |
| 4 | 0. | 3. | 0. | 7. | 0. | 0. | 0. | 5. | 270. | 981. | 26. | 0. | 1292. |
| 5 | 0. | 1. | 1. | 0. | 0. | 0. | 0. | 1. | 0. | 111. | 3. | 0. | 116. |
| 6 | 0. | 1. | 2. | 2. | 0. | 0. | 0. | 1. | 0. | 96. | 12. | 0. | 115. |
| 7 | 0. | 6. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 35. | 2. | 0. | 43. |
| 8 | 0. | 7. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 41. | 5. | 0. | 53. |
| 9 | 0. | 13. | 2. | 0. | 0. | 0. | 0. | 0. | 0. | 102. | 4. | 0. | 121. |
| 10 | 0. | 8. | 0. | 2. | 0. | 0. | 0. | 1. | 32. | 51. | 1. | 0. | 95. |
| 11 | 0. | 5. | 1. | 4. | 0. | 0. | 0. | 0. | 0. | 49. | 7. | 0. | 66. |
| 12 | 0. | 7. | 1. | 3. | 0. | 0. | 0. | 0. | 0. | 34. | 11. | 0. | 56. |
| 13 | 0. | 16. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 34. | 14. | 0. | 64. |
| 14 | 0. | 11. | 2. | 6. | 0. | 0. | 0. | 0. | 2. | 7. | 3. | 0. | 29. |
| 15 | 0. | 8. | 2. | 2. | 0. | 0. | 0. | 0. | 2. | 12. | 2. | 0. | 28. |
| 16 | 0. | 8. | 0. | 3. | 0. | 0. | 0. | 0. | 0. | 13. | 1. | 0. | 25. |
| 17 | 0. | 6. | 2. | 0. | 0. | 0. | 0. | 0. | 0. | 8. | 0. | 0. | 16. |
| 18 | 0. | 1. | 0. | 0. | 0. | 0. | 0. | 0. | 14. | 9. | 0. | 0. | 24. |
| 19 | 0. | 3. | 5. | 6. | 0. | 0. | 0. | 0. | 0. | 13. | 0. | 0. | 27. |
| 20 | 0. | 0. | 0. | 4. | 4. | 281. | 0. | 0. | 0. | 0. | 0. | 0. | 251. |
| 21 | 0. | 0. | 0. | 3. | 21. | 121. | 0. | 0. | 0. | 0. | 0. | 0. | 145. |
| 22 | 0. | 0. | 0. | 0. | 72. | 0. | 0. | 0. | 0. | 0. | 0. | 3. | 72. |
| 23 | 0. | 0. | 0. | 0. | 48. | 33. | 0. | 0. | 0. | 0. | 0. | 0. | 81. |
| 24 | 0. | 0. | 0. | 0. | 0. | 37. | 0. | 0. | 0. | 0. | 0. | 0. | 37. |
| 25 | 0. | 0. | 0. | 0. | 0. | 9. | 0. | 0. | 0. | 0. | 0. | 0. | 9. |
| 26 | 0. | 0. | 0. | 0. | 22. | 6. | 0. | 0. | 0. | 0. | 0. | 0. | 28. |
| 27 | 0. | 0. | 0. | 0. | 0. | 6. | 0. | 0. | 0. | 0. | 0. | 0. | 8. |
| 28 | 0. | 0. | 0. | 0. | 0. | 7. | 0. | 0. | 0. | 0. | 0. | 0. | 7. |
| 29 | 0. | 0. | 0. | 0. | 0. | 6. | 0. | 0. | 0. | 0. | 0. | 0. | 6. |
| 30 | 0. | 0. | 0. | 0. | 19. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 19. |
| 31 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 32 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 33 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 34 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 35 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |

0. 110. 54. 101. 114. 540. 0. 77. 339. 3192. 2377. 0. 6903.

RETIRED POPULATION 4626. 3526. 18093. 0. 26246.

1-----1

 * FILENAME= ACE09CAT CURRENT DATE= 01/30/84 TIME= 09:31:50 *
 * EXAMPLE RUN OF ARMY ENLISTED CURR OBJ FILE (ACE09CAT) *

***** FLOW RECONCILIATION CATEGORY= 01 *****

| | GRADE-1 | GRADE-2 | GRADE-3 | GRADE-4 | GRADE-5 | GRADE-6 | GRADE-7 | GRADE-8 | GRADE-9 | GRADE-10 | TOTAL |
|----------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|--------|
| BEGIN STRENGTH | 0. | 0. | 12214. | 7438. | 6787. | 6629. | 3640. | 928. | 142. | 0. | 37779. |

*****LOSSES*****

| | | | | | | | | | | | |
|--------------|----|----|-------|-------|-------|-------|------|------|-----|----|--------|
| PROM-OUT | 0. | 0. | 4559. | 2213. | 1121. | 594. | 254. | 41. | 0. | 0. | 8782. |
| LOSS:XFR-OTH | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| LOSS:XFR-OFF | 0. | 0. | 3. | 3. | 10. | 40. | 54. | 0. | 0. | 0. | 110. |
| LOSS:DEATH | 0. | 0. | 13. | 24. | 3. | 5. | 9. | 0. | 0. | 0. | 54. |
| LOSS:RET-DIS | 0. | 0. | 20. | 44. | 4. | 18. | 10. | 5. | 0. | 0. | 101. |
| LOSS:RET-FC | 0. | 0. | 0. | 0. | 19. | 48. | 25. | 8. | 14. | 0. | 114. |
| LOSS:RET-VOL | 0. | 0. | 0. | 0. | 12. | 109. | 200. | 192. | 27. | 0. | 540. |
| LOSS:RET-INV | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| LOSS:OTH-DIS | 0. | 0. | 58. | 14. | 5. | 0. | 0. | 0. | 0. | 0. | 77. |
| LOSS:OTH-FC | 0. | 0. | 284. | 37. | 1. | 1. | 16. | 0. | 0. | 0. | 339. |
| LOSS:OTH-VOL | 0. | 0. | 166. | 1690. | 1031. | 272. | 25. | 8. | 0. | 0. | 3192. |
| LOSS:OTH-INV | 0. | 0. | 1720. | 595. | 25. | 36. | 1. | 0. | 0. | 0. | 2377. |
| TOTAL LOSSES | 0. | 0. | 6822. | 4620. | 2231. | 1123. | 594. | 254. | 41. | 0. | 15685. |

*****GAINS*****

| | | | | | | | | | | | |
|--------------|----|----|--------|-------|-------|-------|-------|------|------|----|--------|
| GAINS TO | 0. | 0. | 6822. | 61. | 18. | 2. | 0. | 0. | 0. | 0. | 6903. |
| GAINS OTHER | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| PROM-IN | 0. | 0. | 0. | 4559. | 2213. | 1121. | 594. | 254. | 41. | 0. | 8782. |
| TOTAL GAINS | 0. | 0. | 6822. | 4620. | 2231. | 1123. | 594. | 254. | 41. | 0. | 15685. |
| END STRENGTH | 0. | 0. | 12214. | 7438. | 6787. | 6629. | 3640. | 928. | 142. | 0. | 37779. |

* FILENAME= ACE09CAT CURRENT DATE= 01/30/84 TIME= 09:31:51 *
* EXAMPLE RUN OF ARMY ENLISTED CURR OBJ FILE (ACE09CAT) *

* FORCE DISPLAY *****

| YOS | G:TO | G:OTH | GRD-1 | GRD-2 | GRD-3 | GRD-4 | GRD-5 | GRD-6 | GRD-7 | GRD-8 | GRD-9 | GRD10 | TOTAL | LOSSES | LOSS | REIN | CONT |
|-----|--------|-------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|
| 1 | 16641. | 0. | 0. | 0. | 16641. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 16641. | 2067. | 0.1242 | 0.8758 | 1.0000 |
| 2 | 55. | 0. | 0. | 0. | 8296. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 14631. | 1214. | 0.0830 | 0.9170 | 0.8758 |
| 3 | 114. | 0. | 0. | 0. | 3379. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 13530. | 7419. | 0.5483 | 0.4517 | 0.8031 |
| 4 | 357. | 0. | 0. | 0. | 745. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 6468. | 2721. | 0.4207 | 0.5793 | 0.3628 |
| 5 | 30. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 3777. | 407. | 0.1078 | 0.8922 | 0.2102 |
| 6 | 1. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 3371. | 328. | 0.1150 | 0.8850 | 0.1875 |
| 7 | 3. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 2986. | 314. | 0.1051 | 0.8949 | 0.1659 |
| 8 | 2. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 2674. | 455. | 0.1701 | 0.8299 | 0.1485 |
| 9 | 1. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 2221. | 282. | 0.1269 | 0.8731 | 0.1232 |
| 10 | 5. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1944. | 270. | 0.1388 | 0.8612 | 0.1076 |
| 11 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1674. | 139. | 0.0831 | 0.9169 | 0.0927 |
| 12 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1535. | 98. | 0.0638 | 0.9362 | 0.0850 |
| 13 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1437. | 95. | 0.0661 | 0.9339 | 0.0795 |
| 14 | 1. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1343. | 51. | 0.0380 | 0.9620 | 0.0743 |
| 15 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1292. | 49. | 0.0379 | 0.9621 | 0.0715 |
| 16 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1243. | 46. | 0.0370 | 0.9630 | 0.0687 |
| 17 | 1. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1198. | 35. | 0.0293 | 0.9707 | 0.0662 |
| 18 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1163. | 57. | 0.0490 | 0.9510 | 0.0643 |
| 19 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1106. | 65. | 0.0388 | 0.9412 | 0.0611 |
| 20 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1041. | 412. | 0.3958 | 0.6042 | 0.0575 |
| 21 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 629. | 265. | 0.4213 | 0.5787 | 0.0348 |
| 22 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 364. | 94. | 0.2582 | 0.7418 | 0.0201 |
| 23 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 270. | 104. | 0.3853 | 0.6147 | 0.0149 |
| 24 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 166. | 50. | 0.3012 | 0.6988 | 0.0092 |
| 25 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 116. | 10. | 0.0862 | 0.9138 | 0.0064 |
| 26 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 106. | 28. | 0.2611 | 0.7359 | 0.0059 |
| 27 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 78. | 20. | 0.2564 | 0.7436 | 0.0043 |
| 28 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 58. | 16. | 0.2759 | 0.7241 | 0.0032 |
| 29 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 42. | 7. | 0.1667 | 0.8333 | 0.0023 |
| 30 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 35. | 35. | 1.0000 | 0.0 | 0.0019 |
| 31 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0.0 | 1.0000 | 0.0 |
| 32 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0.0 | 1.0000 | 0.0 |
| 33 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0.0 | 1.0000 | 0.0 |
| 34 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0.0 | 1.0000 | 0.0 |
| 35 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0.0 | 1.0000 | 0.0 |

TOT 17212. 0. 0. 0. 0. 29062. 20696. 16985. 9073. 5323. 1633. 368. 0. 83139. 17212. 0.2070 0.7930 4.8302
AVERAGE YOS 0.0 0.0 1.09 2.73 6.36 11.81 16.02 20.37 23.48 0.0 5.19
PRODUCTIVITY 0.0 0.0 4322. 10691. 15733. 9073. 5323. 1633. 368. 0. 47142.

 * FILENAME= ACE09CAT CURRENT DATE= 01/30/84 TIME= 09:31:56 *
 * EXAMPLE RUN OF ARMY ENLISTED CURR OBJ FILE (ACE09CAT) *****

 * LOSS DISPLAY ***** CATEGORY= 02 *****

| YR | XFROTH | XFROFF | DEATH | RETDIS | RET | FC | RETVOL | RETINV | OTHDIS | OTH | FC | OTHVOL | OTHINV | PROMOUT | TOTAL | | | | | | | | | |
|-------|--------|--------|-------|--------|-----|-----|--------|--------|--------|------|-------|--------|--------|---------|-------|--------|------|------|----|------|------|------|------|------|
| 1 | 0. | 2. | 5. | 12. | 0. | 0. | 0. | 0. | 53. | 40. | 97. | 1859. | 0. | 2067. | | | | | | | | | | |
| 2 | 0. | 12. | 10. | 8. | 0. | 0. | 0. | 0. | 29. | 0. | 447. | 707. | 0. | 1214. | | | | | | | | | | |
| 3 | 0. | 8. | 85. | 88. | 0. | 0. | 0. | 0. | 20. | 0. | 4845. | 2373. | 0. | 7419. | | | | | | | | | | |
| 4 | 0. | 6. | 6. | 19. | 0. | 0. | 0. | 0. | 8. | 733. | 1878. | 71. | 0. | 2721. | | | | | | | | | | |
| 5 | 0. | 5. | 2. | 1. | 0. | 0. | 0. | 0. | 2. | 0. | 365. | 32. | 0. | 407. | | | | | | | | | | |
| 6 | 0. | 16. | 6. | 7. | 0. | 0. | 0. | 0. | 5. | 0. | 273. | 81. | 0. | 388. | | | | | | | | | | |
| 7 | 0. | 15. | 2. | 8. | 0. | 0. | 0. | 0. | 1. | 1. | 261. | 26. | 0. | 314. | | | | | | | | | | |
| 8 | 0. | 7. | 3. | 1. | 0. | 0. | 0. | 0. | 7. | 0. | 373. | 64. | 0. | 455. | | | | | | | | | | |
| 9 | 0. | 6. | 1. | 9. | 0. | 0. | 0. | 0. | 1. | 1. | 227. | 37. | 0. | 282. | | | | | | | | | | |
| 10 | 0. | 16. | 2. | 0. | 0. | 0. | 0. | 0. | 0. | 138. | 108. | 6. | 0. | 270. | | | | | | | | | | |
| 11 | 0. | 10. | 3. | 9. | 0. | 0. | 0. | 0. | 0. | 4. | 96. | 17. | 0. | 139. | | | | | | | | | | |
| 12 | 0. | 9. | 0. | 2. | 0. | 0. | 0. | 0. | 0. | 2. | 68. | 17. | 0. | 98. | | | | | | | | | | |
| 13 | 0. | 4. | 9. | 8. | 0. | 0. | 0. | 0. | 4. | 4. | 44. | 22. | 0. | 95. | | | | | | | | | | |
| 14 | 0. | 8. | 0. | 2. | 0. | 0. | 0. | 0. | 0. | 0. | 43. | 0. | 0. | 51. | | | | | | | | | | |
| 15 | 0. | 3. | 0. | 2. | 0. | 0. | 0. | 0. | 0. | 2. | 36. | 6. | 0. | 49. | | | | | | | | | | |
| 16 | 0. | 3. | 0. | 12. | 0. | 0. | 0. | 0. | 0. | 0. | 12. | 19. | 0. | 46. | | | | | | | | | | |
| 17 | 0. | 3. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 32. | 0. | 0. | 35. | | | | | | | | | | |
| 18 | 0. | 0. | 0. | 31. | 0. | 0. | 0. | 0. | 0. | 0. | 26. | 0. | 0. | 57. | | | | | | | | | | |
| 19 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 32. | 0. | 33. | 0. | 0. | 65. | | | | | | | | | | |
| 20 | 0. | 0. | 1. | 12. | 1. | 1. | 398. | 0. | 0. | 0. | 0. | 0. | 0. | 412. | | | | | | | | | | |
| 21 | 0. | 0. | 0. | 7. | 70. | 70. | 188. | 0. | 0. | 0. | 0. | 0. | 0. | 265. | | | | | | | | | | |
| 22 | 0. | 0. | 0. | 1. | 0. | 0. | 53. | 0. | 0. | 0. | 0. | 0. | 0. | 94. | | | | | | | | | | |
| 23 | 0. | 0. | 0. | 1. | 61. | 61. | 42. | 0. | 0. | 0. | 0. | 0. | 0. | 104. | | | | | | | | | | |
| 24 | 0. | 0. | 0. | 5. | 0. | 0. | 45. | 0. | 0. | 0. | 0. | 0. | 0. | 50. | | | | | | | | | | |
| 25 | 0. | 0. | 0. | 0. | 0. | 0. | 10. | 0. | 0. | 0. | 0. | 0. | 0. | 10. | | | | | | | | | | |
| 26 | 0. | 0. | 1. | 0. | 7. | 7. | 20. | 0. | 0. | 0. | 0. | 0. | 0. | 28. | | | | | | | | | | |
| 27 | 0. | 0. | 0. | 0. | 0. | 0. | 20. | 0. | 0. | 0. | 0. | 0. | 0. | 20. | | | | | | | | | | |
| 28 | 0. | 0. | 0. | 0. | 0. | 0. | 16. | 0. | 0. | 0. | 0. | 0. | 0. | 16. | | | | | | | | | | |
| 29 | 0. | 0. | 0. | 0. | 1. | 1. | 6. | 0. | 0. | 0. | 0. | 0. | 0. | 7. | | | | | | | | | | |
| 30 | 0. | 0. | 0. | 1. | 34. | 34. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 35. | | | | | | | | | | |
| 31 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | | | | | | | | | | |
| 32 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | | | | | | | | | | |
| 33 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | | | | | | | | | | |
| 34 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | | | | | | | | | | |
| 35 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | | | | | | | | | | |
| H-153 | | | | | | | | | | | | | | | 0. | 17212. | | | | | | | | |
| | | | | | | | | | | | | | | | 5337. | 9263. | 925. | 162. | 0. | 838. | 174. | 244. | 136. | 133. |

H-153

RET:RED POPULATION 10923. 5471. 28071. 0.
 1----(33542.)----1
 44466.

0. 133. 136. 244. 174. 838. 0. 162. 925. 9263. 5337. 0. 17212.

 * FILENAME= ACE09CAT CURRENT DATE= 01/30/84 TIME= 09:31:59 *
 * EXAMPLE RUN OF ARMY ENLISTED CURR OBJ FILE (ACE09CAT) *

***** FLOW RECONCILIATION CATEGORY= 02 *****

| | GRADE-1 | GRADE-2 | GRADE-3 | GRADE-4 | GRADE-5 | GRADE-6 | GRADE-7 | GRADE-8 | GRADE-9 | GRADE-10 | TOTAL |
|----------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|--------|
| BEGIN STRENGTH | 0. | 0. | 29062. | 20696. | 16985. | 9073. | 5323. | 1633. | 368. | 0. | 83139. |
| ****LOSSES**** | | | | | | | | | | | |
| PROM-OUT | 0. | 0. | 11277. | 4832. | 1834. | 939. | 468. | 103. | 0. | 0. | 19453. |
| LOSS:XFR-OTH | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| LOSS:XFR-OFF | 0. | 0. | 5. | 19. | 29. | 52. | 27. | 0. | 0. | 0. | 133. |
| LOSS:DEATH | 0. | 0. | 20. | 82. | 18. | 12. | 3. | 1. | 0. | 0. | 136. |
| LOSS:RET-DIS | 0. | 0. | 47. | 75. | 30. | 18. | 55. | 18. | 1. | 0. | 244. |
| LOSS:RET-FC | 0. | 0. | 0. | 0. | 69. | 63. | 7. | 9. | 26. | 0. | 174. |
| LOSS:RET-VOL | 0. | 0. | 0. | 0. | 43. | 156. | 249. | 314. | 76. | 0. | 838. |
| LOSS:RET-INV | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| LOSS:OTH-DIS | 0. | 0. | 74. | 37. | 16. | 4. | 32. | 0. | 0. | 0. | 162. |
| LOSS:OTH-FC | 0. | 0. | 773. | 138. | 3. | 11. | 0. | 0. | 0. | 0. | 925. |
| LOSS:OTH-VOL | 0. | 0. | 750. | 5233. | 2668. | 510. | 80. | 23. | 0. | 0. | 9263. |
| LOSS:OTH-INV | 0. | 0. | 3959. | 1083. | 206. | 71. | 18. | 0. | 0. | 0. | 5337. |
| TOTAL LOSSES | 0. | 0. | 16905. | 11498. | 4916. | 1836. | 939. | 468. | 103. | 0. | 36665. |
| ****GAINS**** | | | | | | | | | | | |
| GAINS TO | 0. | 0. | 16905. | 221. | 84. | 2. | 0. | 0. | 0. | 0. | 17212. |
| GAINS OTHER | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| PROM-IN | 0. | 0. | 0. | 11277. | 4832. | 1834. | 939. | 468. | 103. | 0. | 19453. |
| TOTAL GAINS | 0. | 0. | 16905. | 11498. | 4916. | 1836. | 939. | 468. | 103. | 0. | 36665. |
| END STRENGTH | 0. | 0. | 29062. | 20696. | 16985. | 9073. | 5323. | 1633. | 368. | 0. | 83139. |

* FILENAME= ACE09CAT CURRENT DATE= 01/30/84 TIME= 09:32:01 *
* EXAMPLE RUN OF ARMY ENLISTED CURR OBJ FILE (ACE09CAT) *

* CATEGORY= 03 FORCE DISPLAY*****

| YOS | G: TO | G: 0TH | GRD-1 | GRD-2 | GRD-3 | GRD-4 | GRD-5 | GRD-6 | GRD-7 | GRD-8 | GRD-9 | GRD10 | TOTAL LOSSES | LOSS | PETN | CONT | |
|-----|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------------|-------|--------|--------|--------|
| 1 | 7393. | 0. | 0. | 0. | 7393. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 7393. | 920. | 0.1245 | 0.8755 | 1.0000 |
| 2 | 15. | 0. | 0. | 0. | 3779. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 6487. | 538. | 0.0829 | 0.9171 | 0.8755 |
| 3 | 46. | 0. | 0. | 0. | 562. | 4850. | 484. | 0. | 0. | 0. | 0. | 0. | 5996. | 2831. | 0.4722 | 0.5278 | 0.8029 |
| 4 | 100. | 0. | 0. | 0. | 294. | 1471. | 1499. | 0. | 0. | 0. | 0. | 0. | 3264. | 1103. | 0.3386 | 0.6620 | 0.4237 |
| 5 | 4. | 0. | 0. | 0. | 0. | 852. | 1313. | 0. | 0. | 0. | 0. | 0. | 2165. | 216. | 0.0998 | 0.9002 | 0.2805 |
| 6 | 2. | 0. | 0. | 0. | 0. | 289. | 1568. | 94. | 0. | 0. | 0. | 0. | 1951. | 251. | 0.1286 | 0.8714 | 0.2525 |
| 7 | 0. | 0. | 0. | 0. | 0. | 145. | 1313. | 242. | 0. | 0. | 0. | 0. | 1700. | 191. | 0.1123 | 0.8877 | 0.2201 |
| 8 | 3. | 0. | 0. | 0. | 0. | 69. | 1057. | 386. | 0. | 0. | 0. | 0. | 1512. | 249. | 0.1646 | 0.8354 | 0.1953 |
| 9 | 4. | 0. | 0. | 0. | 0. | 22. | 388. | 855. | 2. | 0. | 0. | 0. | 1267. | 185. | 0.1460 | 0.8540 | 0.1632 |
| 10 | 0. | 0. | 0. | 0. | 0. | 15. | 261. | 800. | 6. | 0. | 0. | 0. | 1082. | 120. | 0.1110 | 0.8890 | 0.1394 |
| 11 | 0. | 0. | 0. | 0. | 0. | 0. | 200. | 751. | 11. | 0. | 0. | 0. | 962. | 105. | 0.1092 | 0.8908 | 0.1239 |
| 12 | 0. | 0. | 0. | 0. | 0. | 0. | 163. | 532. | 161. | 1. | 0. | 0. | 857. | 59. | 0.0688 | 0.9312 | 0.1104 |
| 13 | 0. | 0. | 0. | 0. | 0. | 0. | 136. | 467. | 194. | 1. | 0. | 0. | 798. | 93. | 0.1165 | 0.8835 | 0.1028 |
| 14 | 0. | 0. | 0. | 0. | 0. | 0. | 94. | 267. | 342. | 2. | 0. | 0. | 705. | 47. | 0.0666 | 0.9334 | 0.0908 |
| 15 | 0. | 0. | 0. | 0. | 0. | 0. | 84. | 212. | 359. | 3. | 0. | 0. | 658. | 31. | 0.0471 | 0.9529 | 0.0847 |
| 16 | 0. | 0. | 0. | 0. | 0. | 0. | 77. | 178. | 363. | 9. | 0. | 0. | 627. | 33. | 0.0526 | 0.9474 | 0.0808 |
| 17 | 0. | 0. | 0. | 0. | 0. | 0. | 73. | 142. | 359. | 20. | 0. | 0. | 594. | 24. | 0.0403 | 0.9597 | 0.0765 |
| 18 | 0. | 0. | 0. | 0. | 0. | 0. | 71. | 123. | 344. | 32. | 0. | 0. | 570. | 24. | 0.0421 | 0.9579 | 0.0734 |
| 19 | 0. | 0. | 0. | 0. | 0. | 0. | 70. | 117. | 251. | 108. | 0. | 0. | 546. | 35. | 0.0641 | 0.9359 | 0.0703 |
| 20 | 0. | 0. | 0. | 0. | 0. | 0. | 64. | 111. | 218. | 118. | 0. | 0. | 511. | 202. | 0.3953 | 0.6047 | 0.0658 |
| 21 | 0. | 0. | 0. | 0. | 0. | 0. | 38. | 63. | 120. | 87. | 1. | 0. | 309. | 128. | 0.4112 | 0.5858 | 0.0398 |
| 22 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 40. | 55. | 82. | 4. | 0. | 181. | 49. | 0.2707 | 0.7293 | 0.0233 |
| 23 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 29. | 36. | 59. | 8. | 0. | 132. | 53. | 0.4015 | 0.5985 | 0.0170 |
| 24 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 25. | 35. | 19. | 0. | 79. | 25. | 0.3165 | 0.6835 | 0.0102 |
| 25 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 16. | 20. | 18. | 0. | 54. | 6. | 0.1111 | 0.8889 | 0.0070 |
| 26 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 14. | 13. | 21. | 0. | 48. | 21. | 0.4375 | 0.5625 | 0.0062 |
| 27 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 6. | 19. | 0. | 27. | 6. | 0.2222 | 0.7778 | 0.0035 |
| 28 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 4. | 17. | 0. | 21. | 8. | 0.3809 | 0.6191 | 0.0027 |
| 29 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 12. | 0. | 13. | 2. | 0.1538 | 0.8461 | 0.0017 |
| 30 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | 10. | 0. | 11. | 11. | 1.0000 | 0.0000 | 0.0014 |
| 31 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0.0000 | 0.0000 | 0.0000 |
| 32 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0.0000 | 0.0000 | 0.0000 |
| 33 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0.0000 | 0.0000 | 0.0000 |
| 34 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0.0000 | 0.0000 | 0.0000 |
| 35 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0.0000 | 0.0000 | 0.0000 |

TOT 7567. 0. 0. 0. 0. 12128. 10421. 8953. 5409. 2876. 604. 129. 0. 40521. 7567. 0.1867 0.8133 5.3551
AVERAGE YOS 0.0 0.0 0.0 0.0 0.99 2.74 6.52 11.23 16.18 20.40 25.72 0.0 5.48
PRODUCTIVITY 0.0 0.0 0.0 0.0 1496. 5598. 8337. 5469. 2876. 604. 129. 0. 24449.

 * FILENAME= ACE09CAT CURRENT DATE= 01/30/84 TIME= 09:32:06
 * EXAMPLE RUN OF ARMY ENLISTED CURR OBJ FILE (ACE09CAT)

***** CATEGORY= 03 LOSS DISPLAY *****

| YR | XFROTH | XFROFF | DEATH | RETDIS | RET | FC | RETVOL | RETINV | OTHDIS | OTH | FC | OTHVOL | OTHINV | PROMOUT | TOTALS |
|----|--------|--------|-------|--------|-----|----|--------|--------|--------|------|----|--------|--------|---------|--------|
| 1 | 0. | 2. | 3. | 3. | 0. | 0. | 0. | 0. | 41. | 3. | 3. | 98. | 770. | 0. | 920. |
| 2 | 0. | 7. | 4. | 6. | 0. | 0. | 0. | 0. | 19. | 0. | 0. | 216. | 286. | 0. | 538. |
| 3 | 0. | 5. | 0. | 60. | 0. | 0. | 0. | 0. | 54. | 0. | 0. | 1839. | 874. | 0. | 2831. |
| 4 | 0. | 8. | 3. | 6. | 0. | 0. | 0. | 0. | 2. | 290. | 0. | 745. | 49. | 0. | 1103. |
| 5 | 0. | 7. | 1. | 2. | 0. | 0. | 0. | 0. | 3. | 0. | 1. | 178. | 25. | 0. | 216. |
| 6 | 0. | 11. | 0. | 6. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 207. | 26. | 0. | 191. |
| 7 | 0. | 13. | 3. | 4. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | 156. | 15. | 0. | 191. |
| 8 | 0. | 18. | 0. | 11. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | 194. | 25. | 0. | 249. |
| 9 | 0. | 20. | 3. | 1. | 0. | 0. | 0. | 0. | 2. | 0. | 2. | 141. | 16. | 0. | 185. |
| 10 | 0. | 38. | 0. | 2. | 0. | 0. | 0. | 0. | 2. | 15. | 0. | 57. | 6. | 0. | 120. |
| 11 | 0. | 11. | 2. | 6. | 0. | 0. | 0. | 0. | 1. | 0. | 1. | 75. | 10. | 0. | 105. |
| 12 | 0. | 16. | 0. | 3. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 33. | 6. | 0. | 59. |
| 13 | 0. | 18. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 69. | 6. | 0. | 93. |
| 14 | 0. | 22. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 24. | 1. | 0. | 47. |
| 15 | 0. | 9. | 2. | 6. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 14. | 0. | 0. | 31. |
| 16 | 0. | 7. | 4. | 4. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 20. | 2. | 0. | 33. |
| 17 | 0. | 3. | 4. | 4. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 13. | 0. | 0. | 24. |
| 18 | 0. | 5. | 0. | 12. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 6. | 1. | 0. | 24. |
| 19 | 0. | 0. | 0. | 0. | 0. | 0. | 197. | 6. | 0. | 0. | 0. | 35. | 0. | 0. | 35. |
| 20 | 0. | 0. | 0. | 4. | 1. | 1. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 202. |
| 21 | 0. | 0. | 0. | 1. | 38. | 0. | 89. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 128. |
| 22 | 0. | 0. | 0. | 10. | 0. | 0. | 39. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 49. |
| 23 | 0. | 0. | 0. | 1. | 29. | 0. | 23. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 53. |
| 24 | 0. | 0. | 0. | 0. | 0. | 0. | 25. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 25. |
| 25 | 0. | 0. | 0. | 0. | 0. | 0. | 6. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 6. |
| 26 | 0. | 0. | 0. | 0. | 14. | 0. | 7. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 21. |
| 27 | 0. | 0. | 0. | 0. | 0. | 0. | 6. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 6. |
| 28 | 0. | 0. | 0. | 0. | 0. | 0. | 8. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 8. |
| 29 | 0. | 0. | 0. | 0. | 0. | 0. | 2. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 2. |
| 30 | 0. | 0. | 0. | 1. | 10. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 11. |
| 31 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 32 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 33 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 34 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 35 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| | | | | | | | | | | | | | | | 7567. |

F-156

RETIRED POPULATION 0. 220. 153. 92. 402. 0. 124. 313. 4121. 2118. 0. 7567.
 6861. 2921. 13498. 0. 23280.
 1----()----

 * FILENAME= ACE09CAT CURRENT DATE= 01/30/84 TIME= 09:32:12 *
 * EXAMPLE RUN OF ARMY ENLISTED CURR OBJ FILE (ACE09CAT) *

***** FLOW RECONCILIATION CATEGORY= 03 *****

| GRADE-1 | GRADE-2 | GRADE-3 | GRADE-4 | GRADE-5 | GRADE-6 | GRADE-7 | GRADE-8 | GRADE-9 | GRADE-10 | TOTAL | |
|----------------|---------|---------|---------|---------|---------|---------|---------|---------|----------|-------|--------|
| BEGIN STRENGTH | 0. | 0. | 12128. | 10421. | 8953. | 5409. | 2876. | 604. | 129. | 0. | 40521. |

*****LOSSES*****

| | | | | | | | | | | | |
|--------------|----|----|-------|-------|-------|-------|------|------|-----|----|--------|
| PROM-OUT | 0. | 0. | 5551. | 2585. | 1135. | 494. | 179. | 37. | 0. | 0. | 9981. |
| LOSS:XFR-OTH | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| LOSS:XFR-OFF | 0. | 0. | 8. | 8. | 32. | 107. | 63. | 2. | 0. | 0. | 220. |
| LOSS:DEATH | 0. | 0. | 5. | 3. | 7. | 6. | 4. | 0. | 0. | 0. | 25. |
| LOSS:RET-DIS | 0. | 0. | 19. | 44. | 40. | 29. | 20. | 0. | 0. | 0. | 153. |
| LOSS:RET-FC | 0. | 0. | 0. | 0. | 38. | 30. | 14. | 1. | 9. | 0. | 92. |
| LOSS:RET-VOL | 0. | 0. | 0. | 0. | 25. | 63. | 155. | 132. | 27. | 0. | 402. |
| LOSS:RET-INV | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| LOSS:OTH-DIS | 0. | 0. | 53. | 65. | 2. | 4. | 0. | 0. | 0. | 0. | 124. |
| LOSS:OTH-FC | 0. | 0. | 291. | 15. | 5. | 2. | 0. | 0. | 0. | 0. | 313. |
| LOSS:OTH-VOL | 0. | 0. | 248. | 2222. | 1212. | 372. | 59. | 7. | 0. | 0. | 4121. |
| LOSS:OTH-INV | 0. | 0. | 1297. | 663. | 130. | 28. | 0. | 0. | 0. | 0. | 2118. |
| TOTAL LOSSES | 0. | 0. | 7472. | 5605. | 2626. | 1135. | 494. | 179. | 37. | 0. | 17547. |

*****GAINS*****

| | | | | | | | | | | | |
|--------------|----|----|--------|--------|-------|-------|-------|------|------|----|--------|
| GAINS TO | 0. | 0. | 7472. | 54. | 41. | 0. | 0. | 0. | 0. | 0. | 7567. |
| GAINS OTHER | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| PROM-IN | 0. | 0. | 0. | 5551. | 2585. | 1135. | 494. | 179. | 37. | 0. | 9981. |
| TOTAL GAINS | 0. | 0. | 7472. | 5605. | 2626. | 1135. | 494. | 179. | 37. | 0. | 17547. |
| END STRENGTH | 0. | 0. | 12128. | 10421. | 8953. | 5409. | 2876. | 604. | 129. | 0. | 40521. |

 * FILENAME= ACE09CAT CURRENT DATE= 01/30/84 TIME= 09:32:12 *
 * EXAMPLE RUN OF ARMY ENLISTED CURR OBJ FILE (ACE09CAT) *

 * FORCE DISPLAY ***** CATEGORY= 04 *****

| YOS | G:TO | G:OTH | GRD-1 | GRD-2 | GRD-3 | GRD-4 | GRD-5 | GRD-6 | GRD-7 | GRD-8 | GRD-9 | GRD10 | TOTAL LOSSES | LOSS | RETN | CONT | |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------------|-------|--------|--------|--------|
| 1 | 2832. | 0. | 0. | 0. | 2832. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 2832. | 330. | 0.1165 | 0.8835 | 1.0000 |
| 2 | 2. | 0. | 0. | 0. | 1332. | 1172. | 0. | 0. | 0. | 0. | 0. | 0. | 2504. | 189. | 0.0756 | 0.9244 | 0.8835 |
| 3 | 55. | 0. | 0. | 0. | 288. | 1875. | 207. | 0. | 0. | 0. | 0. | 0. | 2370. | 1074. | 0.4532 | 0.5468 | 0.8167 |
| 4 | 52. | 0. | 0. | 0. | 118. | 511. | 719. | 0. | 0. | 0. | 0. | 0. | 1348. | 495. | 0.3672 | 0.6328 | 0.4465 |
| 5 | 1. | 0. | 0. | 0. | 0. | 207. | 647. | 0. | 0. | 0. | 0. | 0. | 854. | 72. | 0.0843 | 0.9157 | 0.2826 |
| 6 | 1. | 0. | 0. | 0. | 0. | 91. | 662. | 30. | 0. | 0. | 0. | 0. | 783. | 62. | 0.0791 | 0.9209 | 0.2588 |
| 7 | 2. | 0. | 0. | 0. | 0. | 55. | 551. | 117. | 0. | 0. | 0. | 0. | 723. | 47. | 0.0651 | 0.9349 | 0.2383 |
| 8 | 2. | 0. | 0. | 0. | 0. | 31. | 463. | 182. | 2. | 0. | 0. | 0. | 678. | 52. | 0.0767 | 0.9233 | 0.2228 |
| 9 | 0. | 0. | 0. | 0. | 0. | 19. | 266. | 339. | 2. | 0. | 0. | 0. | 626. | 71. | 0.1133 | 0.8867 | 0.2057 |
| 10 | 1. | 0. | 0. | 0. | 0. | 14. | 143. | 392. | 7. | 0. | 0. | 0. | 556. | 44. | 0.0792 | 0.9208 | 0.1824 |
| 11 | 0. | 0. | 0. | 0. | 0. | 0. | 97. | 398. | 17. | 0. | 0. | 0. | 512. | 39. | 0.0762 | 0.9238 | 0.1679 |
| 12 | 1. | 0. | 0. | 0. | 0. | 0. | 77. | 348. | 48. | 1. | 0. | 0. | 474. | 38. | 0.0802 | 0.9198 | 0.1551 |
| 13 | 3. | 0. | 0. | 0. | 0. | 0. | 62. | 300. | 76. | 1. | 0. | 0. | 439. | 28. | 0.0638 | 0.9362 | 0.1427 |
| 14 | 0. | 0. | 0. | 0. | 0. | 0. | 54. | 187. | 168. | 2. | 0. | 0. | 411. | 25. | 0.0609 | 0.9391 | 0.1336 |
| 15 | 0. | 0. | 0. | 0. | 0. | 0. | 42. | 146. | 194. | 4. | 0. | 0. | 386. | 17. | 0.0840 | 0.9560 | 0.1255 |
| 16 | 0. | 0. | 0. | 0. | 0. | 0. | 41. | 123. | 197. | 8. | 0. | 0. | 369. | 14. | 0.0380 | 0.9620 | 0.1199 |
| 17 | 0. | 0. | 0. | 0. | 0. | 0. | 40. | 105. | 192. | 17. | 1. | 0. | 355. | 5. | 0.0141 | 0.9859 | 0.1154 |
| 18 | 0. | 0. | 0. | 0. | 0. | 0. | 39. | 102. | 180. | 28. | 1. | 0. | 350. | 6. | 0.0171 | 0.9829 | 0.1138 |
| 19 | 0. | 0. | 0. | 0. | 0. | 0. | 38. | 100. | 162. | 53. | 1. | 0. | 344. | 3. | 0.0087 | 0.9913 | 0.1118 |
| 20 | 0. | 0. | 0. | 0. | 0. | 0. | 38. | 96. | 142. | 64. | 1. | 0. | 341. | 145. | 0.4252 | 0.5748 | 0.1108 |
| 21 | 0. | 0. | 0. | 0. | 0. | 0. | 22. | 54. | 59. | 58. | 3. | 0. | 196. | 84. | 0.4286 | 0.5714 | 0.0637 |
| 22 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 30. | 25. | 52. | 5. | 0. | 112. | 27. | 0.2411 | 0.7569 | 0.0364 |
| 23 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 21. | 15. | 37. | 12. | 0. | 85. | 32. | 0.3764 | 0.6236 | 0.0276 |
| 24 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 11. | 29. | 13. | 0. | 53. | 16. | 0.3019 | 0.6981 | 0.0172 |
| 25 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 6. | 18. | 13. | 0. | 37. | 2. | 0.0541 | 0.9459 | 0.0120 |
| 26 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 6. | 13. | 16. | 0. | 35. | 12. | 0.3429 | 0.6571 | 0.0114 |
| 27 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 10. | 13. | 0. | 23. | 7. | 0.3044 | 0.6956 | 0.0075 |
| 28 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 7. | 9. | 0. | 16. | 4. | 0.2500 | 0.7500 | 0.0052 |
| 29 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 4. | 8. | 0. | 12. | 1. | 0.0833 | 0.9167 | 0.0029 |
| 30 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 3. | 8. | 0. | 11. | 11. | 1.0000 | 0.0 | 0.0036 |
| 31 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0.0 | 1.0000 | 0.0 |
| 32 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0.0 | 1.0000 | 0.0 |
| 33 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0.0 | 1.0000 | 0.0 |
| 34 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0.0 | 1.0000 | 0.0 |
| 35 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0.0 | 1.0000 | 0.0 |

TOT 2952. 0. 4570. 3975. 4208. 3070. 1509. 399. 104. 0. 17835. 2952. 0.1655 0.8345 6.0410
 AVERAGE YOS 0.0 0.0 0.99 2.65 6.69 12.00 16.33 20.80 24.99 0.0 6.48
 PRODUCTIVITY 0.0 0.0 565. 2030. 3925. 3070. 1509. 399. 104. 0. 11602.

* EXAMPLE RUN OF ARMY ENLISTED CURR OBJ FILE (ACE09CAT) *
* FILENAME= ACE09CAT CURRENT DATE= 01/30/84 TIME= 09:32:12 *

* LOSS DISPLAY CATEGORY= 04 *****

| YR | XFROTH | XFROFF | DEATH | RETDIS | RET | FC | RETVOL | RETVOL | OTHVOL | OTH | FC | OTHVOL | OTHVOL | PROMOUT | TOTALS |
|----|--------|--------|-------|--------|-----|-----|--------|--------|--------|------|----|--------|--------|---------|--------|
| 1 | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 10. | 3. | 3. | 10. | 304. | 0. | 330. |
| 2 | 0. | 4. | 3. | 3. | 0. | 0. | 0. | 0. | 50. | 0. | 0. | 50. | 128. | 0. | 188. |
| 3 | 0. | 3. | 6. | 34. | 0. | 0. | 0. | 0. | 749. | 0. | 0. | 749. | 265. | 0. | 1074. |
| 4 | 0. | 2. | 2. | 5. | 0. | 0. | 0. | 0. | 349. | 113. | 0. | 349. | 21. | 0. | 495. |
| 5 | 0. | 4. | 0. | 1. | 0. | 0. | 0. | 0. | 58. | 0. | 0. | 58. | 9. | 0. | 72. |
| 6 | 0. | 3. | 1. | 2. | 0. | 0. | 0. | 0. | 46. | 0. | 0. | 46. | 10. | 0. | 62. |
| 7 | 0. | 8. | 0. | 0. | 0. | 0. | 0. | 0. | 39. | 0. | 0. | 39. | 0. | 0. | 47. |
| 8 | 0. | 3. | 1. | 3. | 0. | 0. | 0. | 0. | 41. | 0. | 0. | 41. | 4. | 0. | 52. |
| 9 | 0. | 1. | 0. | 4. | 0. | 0. | 0. | 0. | 46. | 0. | 0. | 46. | 12. | 0. | 71. |
| 10 | 0. | 2. | 1. | 5. | 0. | 0. | 0. | 0. | 20. | 11. | 0. | 20. | 3. | 0. | 44. |
| 11 | 0. | 5. | 0. | 2. | 0. | 0. | 0. | 0. | 21. | 0. | 0. | 21. | 11. | 0. | 39. |
| 12 | 0. | 2. | 0. | 0. | 0. | 0. | 0. | 0. | 32. | 0. | 0. | 32. | 4. | 0. | 38. |
| 13 | 0. | 0. | 0. | 7. | 0. | 0. | 0. | 0. | 12. | 0. | 0. | 12. | 9. | 0. | 28. |
| 14 | 0. | 1. | 0. | 9. | 0. | 0. | 0. | 0. | 15. | 0. | 0. | 15. | 0. | 0. | 25. |
| 15 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 17. | 0. | 0. | 17. | 0. | 0. | 17. |
| 16 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 10. | 0. | 0. | 10. | 0. | 0. | 14. |
| 17 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 5. | 0. | 0. | 5. | 0. | 0. | 5. |
| 18 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 6. | 0. | 0. | 6. | 0. | 0. | 6. |
| 19 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 3. | 0. | 0. | 3. | 0. | 0. | 3. |
| 20 | 0. | 0. | 1. | 5. | 1. | 1. | 138. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 145. |
| 21 | 0. | 0. | 0. | 2. | 22. | 22. | 60. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 84. |
| 22 | 0. | 0. | 0. | 0. | 0. | 0. | 27. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 27. |
| 23 | 0. | 0. | 0. | 1. | 21. | 21. | 10. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 32. |
| 24 | 0. | 0. | 2. | 2. | 0. | 0. | 12. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 16. |
| 25 | 0. | 0. | 0. | 6. | 0. | 6. | 3. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 2. |
| 26 | 0. | 0. | 0. | 3. | 0. | 0. | 6. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 12. |
| 27 | 0. | 0. | 0. | 1. | 0. | 0. | 4. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 7. |
| 28 | 0. | 0. | 0. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 4. |
| 29 | 0. | 0. | 0. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 11. |
| 30 | 0. | 0. | 0. | 0. | 11. | 11. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 31 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 32 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 33 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 34 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 35 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |

H-159

RETIRED POPULATION 0. 38. 23. 90. 61. 263. 0. 41. 127. 1529. 780. 0. 2952.
4015. 1913. 8870. 0. 14798.
1-----1

 * FILENAME= ACE09CAT CURRENT DATE= 01/30/84 TIME= 09:32:13 *
 * EXAMPLE RUN OF ARMY ENLISTED CURR OBJ FILE (ACE09CAT) *****

***** CATEGORY= 04 *****

***** FLOW RECONCILIATION *****

| | GRADE-1 | GRADE-2 | GRADE-3 | GRADE-4 | GRADE-5 | GRADE-6 | GRADE-7 | GRADE-8 | GRADE-9 | GRADE-10 | TOTAL |
|----------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|--------|
| BEGIN STRENGTH | 0. | 0. | 4570. | 3975. | 4208. | 3070. | 1509. | 399. | 104. | 0. | 17835. |
| ****LOSSES**** | | | | | | | | | | | |
| PROM-OUT | 0. | 0. | 2168. | 1075. | 529. | 261. | 116. | 27. | 0. | 0. | 4176. |
| LOSS:XFR-OTH | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| LOSS:XFR-OFF | 0. | 0. | 0. | 7. | 8. | 17. | 3. | 0. | 0. | 0. | 38. |
| LOSS:DEATH | 0. | 0. | 3. | 10. | 1. | 2. | 5. | 2. | 0. | 0. | 23. |
| LOSS:RET-DIS | 0. | 0. | 9. | 38. | 5. | 15. | 14. | 7. | 0. | 0. | 90. |
| LOSS:RET-FC | 0. | 0. | 0. | 0. | 22. | 21. | 7. | 3. | 2. | 0. | 61. |
| LOSS:RET-VOL | 0. | 0. | 0. | 0. | 16. | 67. | 86. | 77. | 8. | 0. | 263. |
| LOSS:RET-INV | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| LOSS:OTH-DIS | 0. | 0. | 14. | 12. | 9. | 6. | 0. | 0. | 0. | 0. | 41. |
| LOSS:OTH-FC | 0. | 0. | 116. | 11. | 0. | 0. | 0. | 0. | 0. | 0. | 127. |
| LOSS:OTH-VOL | 0. | 0. | 79. | 819. | 480. | 126. | 25. | 0. | 0. | 0. | 1529. |
| LOSS:OTH-INV | 0. | 0. | 490. | 219. | 48. | 18. | 5. | 0. | 0. | 0. | 780. |
| TOTAL LOSSES | 0. | 0. | 2882. | 2191. | 1118. | 533. | 261. | 116. | 27. | 0. | 7129. |
| ****GAINS**** | | | | | | | | | | | |
| GAINS TO | 0. | 0. | 2882. | 23. | 43. | 4. | 0. | 0. | 0. | 0. | 2952. |
| GAINS OTHER | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| PROM-IN | 0. | 0. | 0. | 2168. | 1075. | 529. | 261. | 116. | 27. | 0. | 4176. |
| TOTAL GAINS | 0. | 0. | 2882. | 2191. | 1118. | 533. | 261. | 116. | 27. | 0. | 7129. |
| END STRENGTH | 0. | 0. | 4570. | 3975. | 4208. | 3070. | 1509. | 399. | 104. | 0. | 17835. |

 * FILENAME= ACE09CAT CURRENT DATE= 01/30/84 TIME= 09:32:13
 * EXAMPLE RUN OF ARMY ENLISTED CURR OBJ FILE (ACE09CAT)

 * FORCE DISPLAY CATEGORY= 05

| YOS | G:TO | G:OTH | GRD-1 | GRD-2 | GRD-3 | GRD-4 | GRD-5 | GRD-6 | GRD-7 | GRD-8 | GRD-9 | GRD10 | TOTAL LOSSES | LOSS | RETN | CONT | |
|-----|--------|-------|-------|-------|--------|--------|-------|-------|-------|-------|-------|-------|--------------|-------|--------|--------|--------|
| 1 | 19105. | 0. | 0. | 0. | 19105. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 19105. | 2017. | 0.1056 | 0.8944 | 1.0000 |
| 2 | 51. | 0. | 0. | 0. | 9382. | 7757. | 0. | 0. | 0. | 0. | 0. | 0. | 17139. | 1420. | 0.0828 | 0.9172 | 0.8944 |
| 3 | 124. | 0. | 0. | 0. | 1527. | 13278. | 1038. | 0. | 0. | 0. | 0. | 0. | 15843. | 7536. | 0.4757 | 0.5243 | 0.8203 |
| 4 | 402. | 0. | 0. | 0. | 756. | 5121. | 2831. | 0. | 0. | 0. | 0. | 0. | 8709. | 2719. | 0.3122 | 0.6878 | 0.4301 |
| 5 | 9. | 0. | 0. | 0. | 0. | 2445. | 3554. | 0. | 0. | 0. | 0. | 0. | 5999. | 468. | 0.0780 | 0.9220 | 0.2958 |
| 6 | 1. | 0. | 0. | 0. | 0. | 1106. | 4289. | 137. | 0. | 0. | 0. | 0. | 5532. | 575. | 0.1040 | 0.8960 | 0.2728 |
| 7 | 2. | 0. | 0. | 0. | 0. | 683. | 3665. | 611. | 0. | 0. | 0. | 0. | 4959. | 501. | 0.1010 | 0.8990 | 0.2444 |
| 8 | 3. | 0. | 0. | 0. | 0. | 424. | 2370. | 1656. | 11. | 0. | 0. | 0. | 4461. | 521. | 0.1167 | 0.8833 | 0.2197 |
| 9 | 2. | 0. | 0. | 0. | 0. | 271. | 1363. | 2291. | 17. | 0. | 0. | 0. | 3942. | 423. | 0.1073 | 0.8927 | 0.1941 |
| 10 | 1. | 0. | 0. | 0. | 0. | 187. | 790. | 2465. | 78. | 0. | 0. | 0. | 3520. | 426. | 0.1210 | 0.8790 | 0.1732 |
| 11 | 0. | 0. | 0. | 0. | 0. | 0. | 522. | 2405. | 167. | 0. | 0. | 0. | 3094. | 211. | 0.0682 | 0.9318 | 0.1523 |
| 12 | 0. | 0. | 0. | 0. | 0. | 0. | 388. | 1891. | 594. | 10. | 0. | 0. | 2883. | 86. | 0.0299 | 0.9701 | 0.1419 |
| 13 | 1. | 0. | 0. | 0. | 0. | 0. | 310. | 1587. | 885. | 16. | 0. | 0. | 2798. | 138. | 0.0494 | 0.9506 | 0.1377 |
| 14 | 0. | 0. | 0. | 0. | 0. | 0. | 188. | 1001. | 1452. | 19. | 0. | 0. | 2660. | 79. | 0.0297 | 0.9703 | 0.1309 |
| 15 | 2. | 0. | 0. | 0. | 0. | 0. | 146. | 697. | 1705. | 35. | 0. | 0. | 2583. | 64. | 0.0248 | 0.9752 | 0.1270 |
| 16 | 0. | 0. | 0. | 0. | 0. | 0. | 127. | 476. | 1848. | 68. | 0. | 0. | 2519. | 50. | 0.0198 | 0.9802 | 0.1238 |
| 17 | 1. | 0. | 0. | 0. | 0. | 0. | 122. | 362. | 1847. | 132. | 7. | 0. | 2470. | 71. | 0.0287 | 0.9713 | 0.1214 |
| 18 | 0. | 0. | 0. | 0. | 0. | 0. | 118. | 319. | 1708. | 245. | 9. | 0. | 2399. | 92. | 0.0384 | 0.9616 | 0.1179 |
| 19 | 0. | 0. | 0. | 0. | 0. | 0. | 113. | 297. | 1449. | 437. | 11. | 0. | 2307. | 109. | 0.0472 | 0.9528 | 0.1134 |
| 20 | 0. | 0. | 0. | 0. | 0. | 0. | 107. | 275. | 1150. | 647. | 19. | 0. | 2198. | 979. | 0.0455 | 0.9545 | 0.1080 |
| 21 | 0. | 0. | 0. | 0. | 0. | 0. | 58. | 127. | 390. | 608. | 36. | 0. | 1219. | 440. | 0.3609 | 0.6391 | 0.0599 |
| 22 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 67. | 111. | 532. | 69. | 0. | 779. | 189. | 0.2426 | 0.7574 | 0.0383 |
| 23 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 45. | 43. | 368. | 134. | 0. | 590. | 145. | 0.2458 | 0.7542 | 0.0290 |
| 24 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 22. | 190. | 233. | 0. | 445. | 115. | 0.2584 | 0.7416 | 0.0219 |
| 25 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 10. | 95. | 225. | 0. | 330. | 40. | 0.1212 | 0.8788 | 0.0162 |
| 26 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 7. | 67. | 216. | 0. | 290. | 61. | 0.2104 | 0.7896 | 0.0142 |
| 27 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 40. | 189. | 189. | 0. | 229. | 60. | 0.2620 | 0.7380 | 0.0113 |
| 28 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 20. | 149. | 0. | 169. | 39. | 0.2308 | 0.7692 | 0.0083 |
| 29 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 13. | 117. | 0. | 130. | 21. | 0.1615 | 0.8385 | 0.0064 |
| 30 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 10. | 99. | 0. | 109. | 109. | 1.0000 | 0.0 | 0.0054 |
| 31 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0.0 | 1.0000 | 0.0 |
| 32 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0.0 | 1.0000 | 0.0 |
| 33 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0.0 | 1.0000 | 0.0 |
| 34 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0.0 | 1.0000 | 0.0 |
| 35 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0.0 | 1.0000 | 0.0 |

TOT 19704. 0. 0. 30770. 31273. 22099. 16710. 13494. 3551. 1513. 0. 119410. 19704. 0.1650 0.8350 6.0602
 AVERAGE YOS 0.0 0.0 0.98 2.93 6.46 11.09 15.97 20.34 25.08 0.0 6.49
 PRODUCTIVITY 0. 0. 3616. 17536. 20872. 16710. 13494. 3551. 1513. 0. 77352.

 * FILENAME= ACE09CAT CURRENT DATE= 01/30/84 TIME= 09:32:14 *
 * EXAMPLE RUN OF ARMY ENLISTED CURR OBJ FILE (ACE09CAT) *****

***** CATEGORY= 05 LOSS DISPLAY *****

| YR | XFROTH | XFROFF | DEATH | RETDIS | RET FC | RETVOL | RETIMV | OTHDIS | OTH FC | OTHVOL | OTHINV | PROMOUT | TOTALS |
|-------|--------|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| 1 | 0. | 4. | 11. | 8. | 0. | 0. | 0. | 57. | 31. | 147. | 1760. | 0. | 2017. |
| 2 | 0. | 10. | 18. | 13. | 0. | 0. | 0. | 27. | 0. | 597. | 1755. | 0. | 1420. |
| 3 | 0. | 16. | 39. | 139. | 0. | 0. | 0. | 56. | 2. | 5372. | 1911. | 0. | 7536. |
| 4 | 0. | 11. | 3. | 13. | 0. | 0. | 0. | 33. | 744. | 1807. | 107. | 0. | 2719. |
| 5 | 0. | 7. | 1. | 7. | 0. | 0. | 0. | 3. | 0. | 400. | 50. | 0. | 468. |
| 6 | 0. | 15. | 3. | 10. | 0. | 0. | 0. | 6. | 3. | 479. | 67. | 0. | 575. |
| 7 | 0. | 10. | 4. | 7. | 0. | 0. | 0. | 7. | 0. | 426. | 43. | 0. | 501. |
| 8 | 0. | 12. | 3. | 17. | 0. | 0. | 0. | 6. | 3. | 431. | 50. | 0. | 521. |
| 9 | 0. | 16. | 4. | 4. | 0. | 0. | 0. | 9. | 3. | 339. | 48. | 0. | 423. |
| 10 | 0. | 21. | 4. | 12. | 0. | 0. | 0. | 5. | 185. | 181. | 23. | 0. | 426. |
| 11 | 0. | 20. | 4. | 15. | 0. | 0. | 0. | 3. | 0. | 143. | 25. | 0. | 211. |
| 12 | 0. | 17. | 2. | 3. | 0. | 0. | 0. | 0. | 1. | 50. | 10. | 0. | 86. |
| 13 | 0. | 13. | 9. | 29. | 0. | 0. | 0. | 0. | 0. | 63. | 24. | 0. | 138. |
| 14 | 0. | 6. | 7. | 6. | 0. | 0. | 0. | 2. | 1. | 34. | 12. | 0. | 79. |
| 15 | 0. | 12. | 3. | 11. | 0. | 0. | 0. | 1. | 0. | 38. | 8. | 0. | 64. |
| 16 | 0. | 2. | 14. | 30. | 0. | 0. | 0. | 0. | 3. | 23. | 1. | 0. | 50. |
| 17 | 0. | 2. | 25. | 19. | 0. | 0. | 0. | 0. | 0. | 15. | 7. | 0. | 71. |
| 18 | 0. | 0. | 8. | 58. | 0. | 0. | 0. | 0. | 1. | 16. | 29. | 0. | 92. |
| 19 | 0. | 0. | 1. | 25. | 0. | 0. | 0. | 0. | 4. | 39. | 0. | 0. | 109. |
| 20 | 0. | 0. | 0. | 13. | 0. | 953. | 0. | 0. | 0. | 0. | 0. | 0. | 979. |
| 21 | 0. | 0. | 0. | 8. | 57. | 370. | 0. | 0. | 0. | 0. | 0. | 0. | 440. |
| 22 | 0. | 0. | 0. | 5. | 44. | 181. | 0. | 0. | 0. | 0. | 0. | 0. | 189. |
| 23 | 0. | 0. | 2. | 2. | 0. | 94. | 0. | 0. | 0. | 0. | 0. | 0. | 145. |
| 24 | 0. | 0. | 0. | 2. | 0. | 111. | 0. | 0. | 0. | 0. | 0. | 0. | 115. |
| 25 | 0. | 0. | 0. | 2. | 0. | 38. | 0. | 0. | 0. | 0. | 0. | 0. | 40. |
| 26 | 0. | 0. | 4. | 4. | 7. | 46. | 0. | 0. | 0. | 0. | 0. | 0. | 61. |
| 27 | 0. | 0. | 0. | 3. | 0. | 57. | 0. | 0. | 0. | 0. | 0. | 0. | 60. |
| 28 | 0. | 0. | 1. | 1. | 0. | 37. | 0. | 0. | 0. | 0. | 0. | 0. | 39. |
| 29 | 0. | 0. | 0. | 2. | 106. | 19. | 0. | 0. | 0. | 0. | 0. | 0. | 21. |
| 30 | 0. | 0. | 0. | 3. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 109. |
| 31 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 9. |
| 32 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 33 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 34 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 35 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| H-162 | | | | | | | | | | | | | |
| 0. | 0. | 202. | 172. | 482. | 214. | 1906. | 0. | 219. | 981. | 16600. | 4930. | 0. | 19704. |

RETIRED POPULATION 20489. 6290. 63747. 90525.
 1-----{ 70036. }-----1

* FILENAME= ACE09CAT CURRENT DATE= 01/30/84 TIME= 09:32:15 *
* EXAMPLE RUN OF ARMY ENLISTED CURR OBJ FILE (ACE09CAT) *

***** FLOW RECONCILIATION CATEGORY= 05 *****

| | GRADE-1 | GRADE-2 | GRADE-3 | GRADE-4 | GRADE-5 | GRADE-6 | GRADE-7 | GRADE-8 | GRADE-9 | GRADE-10 | TOTAL |
|--|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|-------|
|--|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|-------|

| | | | | | | | | | | | |
|----------------|----|----|--------|--------|--------|--------|--------|-------|-------|----|---------|
| BEGIN STRENGTH | 0. | 0. | 30770. | 31273. | 22099. | 16710. | 13494. | 3551. | 1513. | 0. | 119410. |
| ****LOSSES**** | | | | | | | | | | | |
| PROM-OUT | 0. | 0. | 14941. | 6488. | 3595. | 2294. | 1217. | 393. | 0. | 0. | 28927. |
| LOSS:XFR-OTH | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| LOSS:XFR-OFF | 0. | 0. | 11. | 24. | 32. | 60. | 75. | 0. | 0. | 0. | 202. |
| LOSS:DEATH | 0. | 0. | 19. | 54. | 7. | 19. | 53. | 15. | 4. | 0. | 172. |
| LOSS:RET-DIS | 0. | 0. | 27. | 156. | 41. | 78. | 130. | 30. | 19. | 0. | 482. |
| LOSS:RET-FC | 0. | 0. | 0. | 0. | 57. | 44. | 6. | 8. | 99. | 0. | 214. |
| LOSS:RET-VOL | 0. | 0. | 0. | 0. | 46. | 176. | 666. | 748. | 279. | 0. | 1906. |
| LOSS:RET-INV | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| LOSS:OTH-DIS | 0. | 0. | 88. | 73. | 44. | 11. | 3. | 0. | 0. | 0. | 219. |
| LOSS:OTH-FC | 0. | 0. | 776. | 186. | 7. | 9. | 3. | 0. | 0. | 0. | 981. |
| LOSS:OTH-VOL | 0. | 0. | 522. | 667. | 2503. | 801. | 102. | 23. | 1. | 0. | 10600. |
| LOSS:OTH-INV | 0. | 0. | 2990. | 1604. | 190. | 107. | 39. | 0. | 0. | 0. | 4930. |
| TOTAL LOSSES | 0. | 0. | 19374. | 15232. | 6523. | 3599. | 2294. | 1217. | 393. | 0. | 48631. |

| | | | | | | | | | | | |
|---------------|----|----|--------|--------|-------|-------|-------|-------|------|----|--------|
| ****GAINS**** | | | | | | | | | | | |
| GAINS TO | 0. | 0. | 19374. | 291. | 35. | 4. | 0. | 0. | 0. | 0. | 19704. |
| GAINS OTHER | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| PROM-IN | 0. | 0. | 0. | 14941. | 6488. | 3595. | 2294. | 1217. | 393. | 0. | 28927. |
| TOTAL GAINS | 0. | 0. | 19374. | 15232. | 6523. | 3599. | 2294. | 1217. | 393. | 0. | 48631. |

| | | | | | | | | | | | |
|--------------|----|----|------|--------|--------|--------|--------|-------|-------|----|---------|
| END STRENGTH | 0. | 0. | 3077 | 31273. | 22099. | 16710. | 13494. | 3551. | 1513. | 0. | 119410. |
|--------------|----|----|------|--------|--------|--------|--------|-------|-------|----|---------|

* FILENAME= ACED9CAT CURRENT DATE= 01/30/84 TIME= 09:32:16 *
* EXAMPLE RUN OF ARMY ENLISTED CURR OBJ FILE (ACED9CAT) *

* FORCE DISPLAY*****

| YOS | G:TO | G:OTH | GRD-1 | GRD-2 | GRD-3 | GRD-4 | GRD-5 | GRD-6 | GRD-7 | GRD-8 | GRD-9 | GRD10 | TOTAL LOSSES | LOSS | RETN | CONT | |
|-----|--------|-------|-------|-------|--------|--------|-------|-------|-------|-------|-------|-------|--------------|-------|--------|--------|--------|
| 1 | 23974. | 0. | 0. | 0. | 23974. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 23974. | 3685. | 0.1537 | 0.8463 | 1.0000 |
| 2 | 44. | 0. | 0. | 0. | 12817. | 7516. | 0. | 0. | 0. | 0. | 0. | 0. | 20334. | 2213. | 0.1089 | 0.8911 | 0.8463 |
| 3 | 111. | 0. | 0. | 0. | 5279. | 11988. | 964. | 0. | 0. | 0. | 0. | 0. | 18231. | 9795. | 0.5373 | 0.4627 | 0.7542 |
| 4 | 300. | 0. | 0. | 0. | 996. | 4704. | 3036. | 0. | 0. | 0. | 0. | 0. | 8736. | 3847. | 0.4403 | 0.5597 | 0.3490 |
| 5 | 7. | 0. | 0. | 0. | 0. | 1971. | 2925. | 0. | 0. | 0. | 0. | 0. | 4897. | 525. | 0.1072 | 0.8928 | 0.1953 |
| 6 | 1. | 0. | 0. | 0. | 0. | 935. | 3368. | 69. | 0. | 0. | 0. | 0. | 4373. | 567. | 0.1296 | 0.8704 | 0.1744 |
| 7 | 6. | 0. | 0. | 0. | 0. | 595. | 3010. | 201. | 0. | 0. | 0. | 0. | 3806. | 572. | 0.1502 | 0.8498 | 0.1518 |
| 8 | 2. | 0. | 0. | 0. | 0. | 375. | 2127. | 723. | 9. | 0. | 0. | 0. | 3234. | 495. | 0.1530 | 0.8470 | 0.1290 |
| 9 | 2. | 0. | 0. | 0. | 0. | 274. | 1293. | 1162. | 12. | 0. | 0. | 0. | 2781. | 379. | 0.1383 | 0.8617 | 0.1092 |
| 10 | 1. | 0. | 0. | 0. | 0. | 217. | 777. | 1338. | 31. | 0. | 0. | 0. | 2363. | 418. | 0.1770 | 0.8230 | 0.0941 |
| 11 | 0. | 0. | 0. | 0. | 0. | 0. | 554. | 1328. | 63. | 0. | 0. | 0. | 1945. | 187. | 0.0961 | 0.9039 | 0.0775 |
| 12 | 0. | 0. | 0. | 0. | 0. | 0. | 440. | 1055. | 259. | 4. | 0. | 0. | 1758. | 127. | 0.0722 | 0.9278 | 0.0700 |
| 13 | 0. | 0. | 0. | 0. | 0. | 0. | 376. | 797. | 453. | 5. | 0. | 0. | 1631. | 156. | 0.0956 | 0.9044 | 0.0650 |
| 14 | 0. | 0. | 0. | 0. | 0. | 0. | 289. | 587. | 588. | 11. | 0. | 0. | 1475. | 85. | 0.0576 | 0.9424 | 0.0588 |
| 15 | 0. | 0. | 0. | 0. | 0. | 0. | 258. | 462. | 652. | 18. | 0. | 0. | 1390. | 78. | 0.0562 | 0.9438 | 0.0594 |
| 16 | 0. | 0. | 0. | 0. | 0. | 0. | 231. | 363. | 681. | 37. | 0. | 0. | 1312. | 52. | 0.0396 | 0.9604 | 0.0523 |
| 17 | 0. | 0. | 0. | 0. | 0. | 0. | 217. | 312. | 658. | 73. | 0. | 0. | 1260. | 49. | 0.0389 | 0.9611 | 0.0502 |
| 18 | 0. | 0. | 0. | 0. | 0. | 0. | 205. | 288. | 592. | 126. | 0. | 0. | 1211. | 38. | 0.0314 | 0.9686 | 0.0482 |
| 19 | 0. | 0. | 0. | 0. | 0. | 0. | 195. | 278. | 507. | 193. | 0. | 0. | 1173. | 42. | 0.0358 | 0.9642 | 0.0467 |
| 20 | 0. | 0. | 0. | 0. | 0. | 0. | 181. | 269. | 426. | 255. | 0. | 0. | 1131. | 467. | 0.4129 | 0.5871 | 0.0451 |
| 21 | 0. | 0. | 0. | 0. | 0. | 0. | 150. | 188. | 218. | 218. | 1. | 0. | 664. | 295. | 0.4442 | 0.5558 | 0.0265 |
| 22 | 0. | 0. | 0. | 0. | 0. | 0. | 93. | 90. | 184. | 184. | 2. | 0. | 369. | 105. | 0.2846 | 0.7154 | 0.0147 |
| 23 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 67. | 59. | 133. | 5. | 0. | 284. | 111. | 0.4205 | 0.5795 | 0.0105 |
| 24 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 43. | 101. | 9. | 0. | 153. | 53. | 0.3064 | 0.6536 | 0.0061 |
| 25 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 27. | 61. | 12. | 0. | 100. | 13. | 0.1300 | 0.8700 | 0.0040 |
| 26 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 21. | 49. | 17. | 0. | 87. | 34. | 0.3908 | 0.6092 | 0.0035 |
| 27 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 33. | 20. | 0. | 53. | 14. | 0.2641 | 0.7359 | 0.0021 |
| 28 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 21. | 18. | 0. | 39. | 11. | 0.2821 | 0.7179 | 0.0016 |
| 29 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 15. | 13. | 0. | 28. | 5. | 0.1786 | 0.8214 | 0.0011 |
| 30 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 10. | 13. | 0. | 23. | 23. | 1.0000 | 0.0 | 0.0009 |
| 31 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0.0 | 1.0000 | 0.0 |
| 32 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0.0 | 1.0000 | 0.0 |
| 33 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0.0 | 1.0000 | 0.0 |
| 34 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0.0 | 1.0000 | 0.0 |
| 35 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0.0 | 1.0000 | 0.0 |

TOT 24440. 0. 43067. 28576. 20553. 9545. 5360. 1547. 110. 0. 108758. 24440. 0.2247 0.7753 4.4499
AVERAGE YOS 0.0 0.0 1.11 2.90 6.90 11.86 16.04 20.53 26.31 0.0 4.66
PRODUCTIVITY 0.0 0.0 6591. 15769. 19312. 9545. 5360. 1547. 110. 0. 58234.

*
* FILENAME= ACE09CAT CURRENT DATE= 01/30/84 TIME= 09:32:17
*
* EXAMPLE RUN OF ARMY ENLISTED CURR OBJ FILE (ACE09CAT)

*
* CATEGORY= 06 LOSS DISPLAY

| YR | XFRGTH | XFROFF | DEATH | RETDLS | RET FC | RETVOL | RETINV | OTHDLIS | OTH FC | OTHVOL | OTHINV | PROMCUT | TOTALS |
|----|--------|--------|-------|--------|--------|--------|--------|---------|--------|--------|--------|---------|--------|
| 1 | 0. | 0. | 19. | 19. | 0. | 0. | 0. | 91. | 98. | 105. | 3352. | 0. | 3685. |
| 2 | 0. | 1. | 60. | 41. | 0. | 0. | 0. | 71. | 0. | 399. | 1642. | 0. | 2213. |
| 3 | 0. | 0. | 83. | 96. | 0. | 0. | 0. | 78. | 2. | 5404. | 4133. | 0. | 9795. |
| 4 | 0. | 3. | 5. | 32. | 0. | 0. | 0. | 8. | 990. | 2671. | 138. | 0. | 3847. |
| 5 | 0. | 8. | 8. | 4. | 0. | 0. | 0. | 1. | 0. | 466. | 38. | 0. | 525. |
| 6 | 0. | 7. | 11. | 10. | 0. | 0. | 0. | 3. | 4. | 386. | 145. | 0. | 567. |
| 7 | 0. | 12. | 10. | 6. | 0. | 0. | 0. | 2. | 1. | 489. | 52. | 0. | 572. |
| 8 | 0. | 23. | 10. | 23. | 0. | 0. | 0. | 2. | 4. | 365. | 68. | 0. | 495. |
| 9 | 0. | 14. | 6. | 7. | 0. | 0. | 0. | 7. | 2. | 306. | 43. | 0. | 379. |
| 10 | 0. | 24. | 7. | 10. | 0. | 0. | 0. | 8. | 216. | 138. | 15. | 0. | 418. |
| 11 | 0. | 20. | 6. | 16. | 0. | 0. | 0. | 1. | 0. | 124. | 20. | 0. | 187. |
| 12 | 0. | 17. | 5. | 3. | 0. | 0. | 0. | 5. | 2. | 77. | 18. | 0. | 127. |
| 13 | 0. | 17. | 0. | 18. | 0. | 0. | 0. | 0. | 4. | 103. | 14. | 0. | 156. |
| 14 | 0. | 16. | 3. | 9. | 0. | 0. | 0. | 3. | 0. | 45. | 9. | 0. | 85. |
| 15 | 0. | 9. | 0. | 23. | 0. | 0. | 0. | 0. | 4. | 32. | 10. | 0. | 78. |
| 16 | 0. | 4. | 0. | 9. | 0. | 0. | 0. | 0. | 6. | 21. | 12. | 0. | 52. |
| 17 | 0. | 3. | 8. | 0. | 0. | 0. | 0. | 7. | 0. | 31. | 0. | 0. | 49. |
| 18 | 0. | 1. | 3. | 5. | 0. | 0. | 0. | 0. | 0. | 20. | 9. | 0. | 38. |
| 19 | 0. | 1. | 9. | 20. | 0. | 0. | 0. | 0. | 0. | 10. | 2. | 0. | 42. |
| 20 | 0. | 0. | 0. | 12. | 1. | 454. | 0. | 0. | 0. | 0. | 0. | 0. | 467. |
| 21 | 0. | 0. | 0. | 6. | 107. | 182. | 0. | 0. | 0. | 0. | 0. | 0. | 295. |
| 22 | 0. | 0. | 0. | 5. | 66. | 100. | 0. | 0. | 0. | 0. | 0. | 0. | 105. |
| 23 | 0. | 0. | 0. | 2. | 43. | 47. | 0. | 0. | 0. | 0. | 0. | 0. | 111. |
| 24 | 0. | 0. | 0. | 6. | 0. | 12. | 0. | 0. | 0. | 0. | 0. | 0. | 53. |
| 25 | 0. | 0. | 0. | 1. | 0. | 10. | 0. | 0. | 0. | 0. | 0. | 0. | 13. |
| 26 | 0. | 0. | 0. | 3. | 21. | 13. | 0. | 0. | 0. | 0. | 0. | 0. | 34. |
| 27 | 0. | 0. | 0. | 1. | 0. | 11. | 0. | 0. | 0. | 0. | 0. | 0. | 14. |
| 28 | 0. | 0. | 0. | 0. | 0. | 5. | 0. | 0. | 0. | 0. | 0. | 0. | 11. |
| 29 | 0. | 0. | 0. | 0. | 0. | 23. | 0. | 0. | 0. | 0. | 0. | 0. | 5. |
| 30 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 23. |
| 31 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 32 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 33 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 34 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 35 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |

H-165

0. 180. 253. 386. 218. 877. 0. 281. 1334. 11192. 9720. 0. 24440.

RETIRED POPULATION 17353. 6985. 29553. 0. 53890.
1-----{ 36538. }-----1

 * FILENAME= ACE09CAT CURRENT DATE= 01/30/84 TIME= 09:32:17 *
 * EXAMPLE RUN OF ARMY ENLISTED CURR OBJ FILE (ACE09CAT) *

***** FLOW RECONCILIATION CATEGORY= 06 *****

| | GRADE-1 | GRADE-2 | GRADE-3 | GRADE-4 | GRADE-5 | GRADE-6 | GRADE-7 | GRADE-8 | GRADE-9 | GRADE-10 | TOTAL |
|----------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|---------|
| BEGIN STRENGTH | 0. | 0. | 43067. | 28576. | 20553. | 9545. | 5360. | 1547. | 110. | 0. | 108758. |

*****LOSSES*****

| | | | | | | | | | | | |
|--------------|----|----|--------|--------|-------|-------|------|------|-----|----|--------|
| PROM-OUT | 0. | 0. | 15063. | 5759. | 2023. | 946. | 393. | 35. | 0. | 0. | 24219. |
| LOSS:XFR-OTH | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| LOSS:XFR-OFF | 0. | 0. | 3. | 2. | 33. | 82. | 60. | 0. | 0. | 0. | 180. |
| LOSS:DEATH | 0. | 0. | 45. | 117. | 44. | 26. | 14. | 7. | 0. | 0. | 253. |
| LOSS:RET-DIS | 0. | 0. | 66. | 108. | 67. | 52. | 69. | 24. | 0. | 0. | 386. |
| LOSS:RET-FC | 0. | 0. | 0. | 0. | 107. | 67. | 21. | 10. | 13. | 0. | 218. |
| LOSS:RET-VOL | 0. | 0. | 0. | 0. | 74. | 185. | 289. | 307. | 22. | 0. | 877. |
| LOSS:RET-INV | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| LOSS:OTH-DIS | 0. | 0. | 138. | 114. | 11. | 8. | 10. | 0. | 0. | 0. | 281. |
| LOSS:OTH-FC | 0. | 0. | 1089. | 220. | 12. | 7. | 6. | 0. | 0. | 0. | 1534. |
| LOSS:OTH-VOL | 0. | 0. | 738. | 6718. | 3089. | 569. | 68. | 10. | 0. | 0. | 11192. |
| LOSS:OTH-INV | 0. | 0. | 7076. | 2226. | 321. | 8. | 16. | 0. | 0. | 0. | 9720. |
| TOTAL LOSSES | 0. | 0. | 24217. | 15263. | 5782. | 2023. | 946. | 393. | 35. | 0. | 48660. |

*****GAINS*****

| | | | | | | | | | | | |
|--------------|----|----|--------|--------|--------|-------|-------|-------|------|----|---------|
| GAINS TO | 0. | 0. | 24217. | 200. | 23. | 0. | 0. | 0. | 0. | 0. | 24440. |
| GAINS OTHER | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| PROM-IN | 0. | 0. | 0. | 15063. | 5759. | 2023. | 946. | 393. | 35. | 0. | 24219. |
| TOTAL GAINS | 0. | 0. | 24217. | 15263. | 5782. | 2023. | 946. | 393. | 35. | 0. | 48660. |
| END STRENGTH | 0. | 0. | 43067. | 28576. | 20553. | 9545. | 5360. | 1547. | 110. | 0. | 108758. |

INDEPENDENT

CATEGORY= 07

H-167

 * FILENAME= ACED9CAT CURRENT DATE= 01/30/84 TIME= 09:32:19 *
 * EXAMPLE RUN OF ARMY ENLISTED CURR OBJ FILE (ACED9CAT) *

***** CATEGORY= 07 LOSS DISPLAY *****

| YR | XFROTH | XFROFF | DEATH | RETDIS | RET | FC | RETVOL | RETINV | OTHDIS | 6TH | FC | OTHVOL | OTHINV | PROMOUT | TOTALS |
|----|--------|--------|-------|--------|-----|-----|--------|--------|--------|------|------|--------|--------|---------|--------|
| 1 | 0. | 0. | 2. | 5. | 0. | 0. | 0. | 0. | 9. | 3. | 7. | 396. | 396. | 0. | 422. |
| 2 | 0. | 0. | 5. | 1. | 0. | 0. | 0. | 0. | 6. | 0. | 44. | 148. | 148. | 0. | 204. |
| 3 | 0. | 0. | 31. | 37. | 0. | 0. | 0. | 0. | 50. | 0. | 605. | 683. | 683. | 0. | 1407. |
| 4 | 0. | 2. | 1. | 7. | 0. | 0. | 0. | 0. | 1. | 140. | 530. | 57. | 57. | 0. | 736. |
| 5 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 84. | 4. | 4. | 0. | 91. |
| 6 | 0. | 0. | 0. | 3. | 0. | 0. | 0. | 0. | 1. | 0. | 68. | 13. | 13. | 0. | 101. |
| 7 | 0. | 2. | 0. | 1. | 0. | 0. | 0. | 0. | 1. | 0. | 55. | 9. | 9. | 0. | 81. |
| 8 | 0. | 5. | 0. | 2. | 0. | 0. | 0. | 0. | 3. | 0. | 45. | 7. | 7. | 0. | 73. |
| 9 | 0. | 1. | 0. | 10. | 0. | 0. | 0. | 0. | 0. | 52. | 23. | 6. | 6. | 0. | 62. |
| 10 | 0. | 1. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 26. | 2. | 2. | 0. | 78. |
| 11 | 0. | 1. | 3. | 1. | 0. | 0. | 0. | 0. | 0. | 0. | 14. | 3. | 3. | 0. | 34. |
| 12 | 0. | 1. | 0. | 3. | 0. | 0. | 0. | 0. | 3. | 0. | 17. | 0. | 0. | 0. | 16. |
| 13 | 0. | 1. | 0. | 3. | 0. | 0. | 0. | 0. | 0. | 0. | 8. | 0. | 0. | 0. | 21. |
| 14 | 0. | 1. | 0. | 5. | 0. | 0. | 0. | 0. | 0. | 0. | 9. | 0. | 0. | 0. | 14. |
| 15 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 5. | 0. | 0. | 0. | 6. |
| 16 | 0. | 0. | 2. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 2. | 0. | 0. | 0. | 4. |
| 17 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 6. |
| 18 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 10. | 0. | 0. | 0. | 10. |
| 19 | 0. | 0. | 0. | 0. | 0. | 0. | 64. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 70. |
| 20 | 0. | 0. | 2. | 4. | 0. | 18. | 33. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 54. |
| 21 | 0. | 0. | 2. | 1. | 0. | 16. | 16. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 17. |
| 22 | 0. | 0. | 1. | 0. | 0. | 13. | 9. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 22. |
| 23 | 0. | 0. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 9. |
| 24 | 0. | 0. | 0. | 1. | 0. | 0. | 8. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 2. |
| 25 | 0. | 0. | 0. | 0. | 0. | 0. | 2. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 2. |
| 26 | 0. | 0. | 0. | 0. | 0. | 5. | 4. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. |
| 27 | 0. | 0. | 0. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 2. |
| 28 | 0. | 0. | 0. | 0. | 0. | 0. | 2. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. |
| 29 | 0. | 0. | 0. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 6. |
| 30 | 0. | 0. | 0. | 0. | 0. | 6. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 31 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 32 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 33 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 34 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 35 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |

H-168

RETIRED POPULATION 0. 15. 49. 81. 42. 140. 0. 74. 195. 1647. 1328. 0. 3572.
 3784. 1328. 4695. 9807.
 6023.)----1

 * FILENAME= ACE09CAT CURRENT DATE= 01/30/84 TIME= 09:32:20 *
 * EXAMPLE RUN OF ARMY ENLISTED CURR OBJ FILE (ACE09CAT) *

***** CATEGORY= 07 *****

***** FLOW RECONCILIATION *****

| | GRADE-1 | GRADE-2 | GRADE-3 | GRADE-4 | GRADE-5 | GRADE-6 | GRADE-7 | GRADE-8 | GRADE-9 | GRADE-10 | TOTAL |
|----------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|--------|
| BEGIN STRENGTH | 0. | 0. | 5899. | 5150. | 3352. | 1538. | 927. | 280. | 45. | 0. | 17191. |
| ****LOSSES**** | | | | | | | | | | | |
| PROM-OUT | 0. | 0. | 2539. | 930. | 322. | 159. | 71. | 12. | 0. | 0. | 4033. |
| LOSS:XFR-OTH | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| LOSS:XFR-OFF | 0. | 0. | 1. | 0. | 3. | 8. | 3. | 0. | 0. | 0. | 15. |
| LOSS:DEATH | 0. | 0. | 4. | 35. | 0. | 3. | 3. | 4. | 0. | 0. | 49. |
| LOSS:RET-DIS | 0. | 0. | 8. | 46. | 11. | 9. | 7. | 0. | 0. | 0. | 81. |
| LOSS:RET-FC | 0. | 0. | 0. | 0. | 18. | 13. | 5. | 2. | 4. | 0. | 42. |
| LOSS:RET-VOL | 0. | 0. | 0. | 0. | 10. | 25. | 47. | 50. | 8. | 0. | 140. |
| LOSS:RET-INV | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| LOSS:OTH-DIS | 0. | 0. | 14. | 53. | 1. | 6. | 0. | 0. | 0. | 0. | 74. |
| LOSS:OTH-FC | 0. | 0. | 143. | 52. | 0. | 0. | 0. | 0. | 0. | 0. | 195. |
| LOSS:OTH-VOL | 0. | 0. | 46. | 526. | 551. | 98. | 23. | 3. | 0. | 0. | 1647. |
| LOSS:OTH-INV | 0. | 0. | 772. | 518. | 37. | 1. | 0. | 0. | 0. | 0. | 1328. |
| TOTAL LOSSES | 0. | 0. | 3528. | 2560. | 953. | 322. | 159. | 71. | 12. | 0. | 7605. |

****GAINS****

| | | | | | | | | | | | |
|--------------|----|----|-------|-------|-------|-------|------|------|-----|----|--------|
| GAINS TO | 0. | 0. | 3528. | 21. | 23. | 0. | 6. | 0. | 0. | 0. | 3572. |
| GAINS OTHER | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| PROM-IN | 0. | 0. | 0. | 2539. | 930. | 322. | 159. | 71. | 12. | 0. | 4033. |
| TOTAL GAINS | 0. | 0. | 3528. | 2560. | 953. | 322. | 159. | 71. | 12. | 0. | 7605. |
| END STRENGTH | 0. | 0. | 5899. | 5150. | 3352. | 1538. | 927. | 280. | 45. | 0. | 17191. |

* FILENAME= ACE09CAT CURRENT DATE= 01/30/94 TIME= 09:32:21
* EXAMPLE RUN OF ARMY ENLISTED CURR OBJ FILE (ACE09CAT)

* FORCE DISPLAY

| YOS | G:TO | G:OTH | GRD-1 | GRD-2 | GRD-3 | GRD-4 | GRD-5 | GRD-6 | GRD-7 | GRD-8 | GRD-9 | GRD10 | TOTAL LOSSES | LOSS | RETN | CONT | |
|-----|--------|-------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|--------------|-------|--------|--------|--------|
| 1 | 17330. | 0. | 0. | 0. | 17330. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 17330. | 2279. | 0.1315 | 0.8685 | 1.0000 |
| 2 | 31. | 0. | 0. | 0. | 7896. | 7185. | 0. | 0. | 0. | 0. | 0. | 0. | 15082. | 1173. | 0.0778 | 0.9222 | 0.8685 |
| 3 | 93. | 0. | 0. | 0. | 3911. | 9801. | 290. | 0. | 0. | 0. | 0. | 0. | 14002. | 8718. | 0.6226 | 0.3774 | 0.8010 |
| 4 | 348. | 0. | 0. | 0. | 876. | 3180. | 1574. | 0. | 0. | 0. | 0. | 0. | 5632. | 1986. | 0.3526 | 0.6474 | 0.3023 |
| 5 | 4. | 0. | 0. | 0. | 0. | 1712. | 1938. | 0. | 0. | 0. | 0. | 0. | 3650. | 410. | 0.1124 | 0.8876 | 0.1957 |
| 6 | 0. | 0. | 0. | 0. | 0. | 786. | 2356. | 98. | 0. | 0. | 0. | 0. | 3240. | 430. | 0.1326 | 0.8674 | 0.1737 |
| 7 | 1. | 0. | 0. | 0. | 0. | 558. | 2056. | 197. | 0. | 0. | 0. | 0. | 2311. | 304. | 0.1082 | 0.8918 | 0.1507 |
| 8 | 0. | 0. | 0. | 0. | 0. | 411. | 1756. | 328. | 12. | 0. | 0. | 0. | 2507. | 350. | 0.1397 | 0.8603 | 0.1344 |
| 9 | 0. | 0. | 0. | 0. | 0. | 298. | 575. | 1269. | 15. | 0. | 0. | 0. | 2157. | 258. | 0.1196 | 0.8804 | 0.1156 |
| 10 | 1. | 0. | 0. | 0. | 0. | 234. | 309. | 1329. | 28. | 0. | 0. | 0. | 1900. | 363. | 0.1911 | 0.8089 | 0.1018 |
| 11 | 0. | 0. | 0. | 0. | 0. | 0. | 192. | 1294. | 51. | 0. | 0. | 0. | 1537. | 128. | 0.0833 | 0.9167 | 0.0823 |
| 12 | 0. | 0. | 0. | 0. | 0. | 0. | 135. | 1019. | 254. | 1. | 0. | 0. | 1409. | 98. | 0.0696 | 0.9304 | 0.0755 |
| 13 | 0. | 0. | 0. | 0. | 0. | 0. | 108. | 648. | 552. | 3. | 0. | 0. | 1311. | 98. | 0.0748 | 0.9252 | 0.0702 |
| 14 | 0. | 0. | 0. | 0. | 0. | 0. | 96. | 490. | 621. | 6. | 0. | 0. | 1213. | 61. | 0.0502 | 0.9498 | 0.0650 |
| 15 | 0. | 0. | 0. | 0. | 0. | 0. | 90. | 398. | 653. | 11. | 0. | 0. | 1152. | 62. | 0.0538 | 0.9462 | 0.0617 |
| 16 | 0. | 0. | 0. | 0. | 0. | 0. | 84. | 650. | 25. | 0. | 0. | 0. | 1090. | 46. | 0.0422 | 0.9578 | 0.0584 |
| 17 | 0. | 0. | 0. | 0. | 0. | 0. | 82. | 295. | 617. | 50. | 0. | 0. | 1044. | 45. | 0.0431 | 0.9569 | 0.0559 |
| 18 | 0. | 0. | 0. | 0. | 0. | 0. | 79. | 271. | 563. | 86. | 0. | 0. | 999. | 49. | 0.0421 | 0.9509 | 0.0535 |
| 19 | 0. | 0. | 0. | 0. | 0. | 0. | 74. | 256. | 444. | 174. | 2. | 0. | 950. | 45. | 0.0473 | 0.9527 | 0.0509 |
| 20 | 0. | 0. | 0. | 0. | 0. | 0. | 71. | 243. | 381. | 208. | 2. | 0. | 905. | 356. | 0.3934 | 0.6066 | 0.0485 |
| 21 | 0. | 0. | 0. | 0. | 0. | 0. | 43. | 144. | 184. | 172. | 6. | 0. | 549. | 200. | 0.3643 | 0.6357 | 0.0294 |
| 22 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 99. | 82. | 157. | 11. | 0. | 349. | 92. | 0.2636 | 0.7364 | 0.0187 |
| 23 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 72. | 58. | 112. | 15. | 0. | 257. | 110. | 0.4280 | 0.5720 | 0.0138 |
| 24 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 41. | 63. | 43. | 0. | 147. | 47. | 0.3197 | 0.6803 | 0.0079 |
| 25 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 25. | 31. | 44. | 0. | 100. | 13. | 0.1300 | 0.8700 | 0.0054 |
| 26 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 21. | 19. | 47. | 0. | 87. | 37. | 0.4252 | 0.5748 | 0.0047 |
| 27 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 9. | 41. | 0. | 50. | 14. | 0.2800 | 0.7200 | 0.0027 |
| 28 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 3. | 33. | 0. | 36. | 8. | 0.2222 | 0.7778 | 0.0019 |
| 29 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 2. | 26. | 0. | 28. | 9. | 0.3215 | 0.6785 | 0.0015 |
| 30 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 2. | 17. | 0. | 19. | 19. | 1.0000 | 0.0 | 0.0010 |
| 31 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0.0 | 1.0000 | 0.0 |
| 32 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0.0 | 1.0000 | 0.0 |
| 33 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0.0 | 1.0000 | 0.0 |
| 34 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0.0 | 1.0000 | 0.0 |
| 35 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0.0 | 1.0000 | 0.0 |

TOT 17808. 0. 0. 30015. 24166. 11908. 8780. 5250. 1134. 287. 6. 81540. 17808. 0.2184 0.7816 4.5789
AVERAGE YOS 0.0 0.0 1.11 2.89 6.50 11.89 15.88 20.16 25.42 0.0 4.89
PRODUCTIVITY 0.0 0.0 4588. 13081. 11369. 8780. 5250. 1134. 287. 0.0 44490.

 * FILENAME= ACED9CAT CURRENT DATE= 01/30/84 TIME= 09:32:19
 * EXAMPLE RUN OF ARMY ENLISTED CURR OBJ FILE (ACE09CAT)

***** LOSS DISPLAY ***** CATEGORY= 07 *****

| YR | XFEROTH | XFEROFF | DEATH | RETDIS | RET | FC | RETOL | RETINV | OTHDIS | OTH | FC | OTHVOL | OTHINV | PROMOUT | TOTALS |
|----|---------|---------|-------|--------|-----|-----|-------|--------|--------|-----|------|--------|--------|---------|--------|
| 1 | 0 | 0 | 2 | 5 | 0 | 0 | 0 | 0 | 9 | 3 | 7 | 396 | 0 | 0 | 422 |
| 2 | 0 | 0 | 5 | 1 | 0 | 0 | 0 | 0 | 6 | 0 | 44 | 148 | 0 | 0 | 204 |
| 3 | 0 | 0 | 31 | 37 | 0 | 0 | 0 | 0 | 50 | 0 | 605 | 683 | 0 | 0 | 1407 |
| 4 | 0 | 0 | 1 | 7 | 0 | 0 | 0 | 0 | 1 | 140 | 530 | 57 | 0 | 0 | 738 |
| 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 87 | 4 | 0 | 0 | 91 |
| 6 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 1 | 0 | 84 | 13 | 0 | 0 | 101 |
| 7 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 68 | 9 | 0 | 0 | 81 |
| 8 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 3 | 0 | 56 | 7 | 0 | 0 | 73 |
| 9 | 0 | 0 | 0 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 45 | 6 | 0 | 0 | 62 |
| 10 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 52 | 23 | 2 | 0 | 0 | 78 |
| 11 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 26 | 3 | 0 | 0 | 34 |
| 12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 17 | 0 | 0 | 0 | 21 |
| 13 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 0 | 0 | 0 | 9 |
| 14 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 0 | 0 | 0 | 14 |
| 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 0 | 0 | 6 |
| 16 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 4 |
| 17 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 0 | 0 | 6 |
| 18 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 0 | 0 | 0 | 10 |
| 19 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 70 |
| 20 | 0 | 0 | 0 | 4 | 0 | 0 | 64 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 54 |
| 21 | 0 | 0 | 0 | 18 | 0 | 0 | 33 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17 |
| 22 | 0 | 0 | 0 | 1 | 0 | 0 | 16 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 22 |
| 23 | 0 | 0 | 0 | 0 | 13 | 0 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 |
| 24 | 0 | 0 | 0 | 1 | 0 | 0 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 25 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 |
| 26 | 0 | 0 | 0 | 0 | 5 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 27 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 28 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 29 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 |
| 30 | 0 | 0 | 0 | 0 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 31 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 32 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 33 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 34 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 35 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | | | | | | | | | | | |
| 0 | 0 | 15 | 49 | 81 | 42 | 140 | 0 | 0 | 74 | 195 | 1647 | 1328 | 0 | 0 | 3572 |

RETIRED POPULATION 3784 1328 4695 9807
 1-----{ }-----1

H-171

 * FILENAME= ACE09CAT CURRENT DATE= 01/30/84 TIME= 09:32:21 *
 * EXAMPLE RUN OF ARMY ENLISTED CURR OBJ FILE (ACE09CAT) *****

***** FLOW RECONCILIATION CATEGORY= 08 *****

| | GRADE-1 | GRADE-2 | GRADE-3 | GRADE-4 | GRADE-5 | GRADE-6 | GRADE-7 | GRADE-8 | GRADE-9 | GRADE-10 | TOTAL |
|----------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|--------|
| BEGIN STRENGTH | 0. | 0. | 30015. | 24166. | 11908. | 3780. | 5250. | 1134. | 287. | 0. | 81540. |

*****LOSSES*****

| | | | | | | | | | | | |
|--------------|----|----|--------|--------|-------|-------|------|------|-----|----|--------|
| PROM-GUT | 0. | 0. | 11056. | 3497. | 1750. | 850. | 334. | 84. | 0. | 0. | 17571. |
| LOSS:XTR-OTH | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| LOSS:XFR-OFF | 0. | 0. | 2. | 3. | 10. | 47. | 28. | 0. | 0. | 0. | 90. |
| LOSS:DEATH | 0. | 0. | 19. | 44. | 16. | 39. | 29. | 1. | 5. | 0. | 152. |
| LOSS:RET-DIS | 0. | 0. | 47. | 94. | 23. | 60. | 63. | 11. | 1. | 0. | 299. |
| LOSS:RET-FC | 0. | 0. | 0. | 0. | 42. | 72. | 17. | 2. | 16. | 0. | 149. |
| LOSS:RET-VOL | 0. | 0. | 0. | 0. | 27. | 161. | 248. | 223. | 62. | 0. | 721. |
| LOSS:RET-INV | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| LOSS:OTH-DIS | 0. | 0. | 79. | 38. | 2. | 4. | 0. | 0. | 0. | 0. | 123. |
| LOSS:OTH-FC | 0. | 0. | 903. | 240. | 2. | 2. | 16. | 0. | 0. | 0. | 1163. |
| LOSS:OTH-VOL | 0. | 0. | 938. | 6152. | 1475. | 427. | 95. | 11. | 0. | 0. | 9098. |
| LOSS:OTH-INV | 0. | 0. | 4509. | 1235. | 158. | 88. | 20. | 2. | 0. | 0. | 6012. |
| TOTAL LOSSES | 0. | 0. | 17553. | 11302. | 3506. | 1750. | 850. | 334. | 84. | 0. | 35378. |

*****GAINS*****

| | | | | | | | | | | | |
|--------------|----|----|--------|--------|--------|-------|-------|-------|------|----|--------|
| GAINS TO | 0. | 0. | 17553. | 246. | 9. | 0. | 0. | 0. | 0. | 0. | 17808. |
| GAINS OTHER | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| PROM-IP | 0. | 0. | 0. | 11056. | 3497. | 1750. | 850. | 334. | 84. | 0. | 17571. |
| TOTAL GAINS | 0. | 0. | 17553. | 11302. | 3506. | 1750. | 850. | 334. | 84. | 0. | 35378. |
| END STRENGTH | 0. | 0. | 30015. | 24166. | 11908. | 8780. | 5250. | 1134. | 287. | 0. | 81540. |

FILE: COSTER EXEC A
PAGE 001

VM/SP CONVERSATIONAL MONITOR SYSTEM

&CONTROL OFF
CLRSCRN
&IF &INDEX NE 2 &GOTO -HELP
LINK TO QRMCSRH1 191 199 RR RPASS
ACCESS 199 H
LINK TO QRMG2JVD 191 198 RR RPASS
ACCESS 198 G
&ERROR &GOTO -ERREXIT
FILEDEF 2 PRINTER (RECFM FA LRECL 132 BLKSIZE 133 PERM
FILEDEF 6 TERMINAL (RECFM F LRECL 130 BLKSIZE 131 PERM
FILEDEF 46 DISK &1 SUBSTRUC H4
FILEDEF 48 DISK &1 LRATES H4
FILEDEF 49 DISK &1 GRATES H4
FILEDEF 30 DISK COST DATABASE A1 (XTENT 54001
FILEDEF 31 DISK &2 COSTMAP G1 (RECFM F LRECL 132 BLKSIZE 132
&TYPE PLEASE STANDBY
COSTER
&GOTO -DONE
-ERR
&TYPE ABNORMAL TERMINATION IN COST ROUTINE EXEC
-HELP
CLRSCRN
&TYPE YOU HAVE IMPROPERLY USED THIS COMMAND; TRY AGAIN.
*THE PROPER FORMAT IS AS FOLLOWS: COSTER FN1 FN2
* WHERE: FN1 = MODEL RUN FILENAME
* FN2 = COST MAP / FIX COST FILENAME
&END
&EXIT
-DONE DET 199
RELEASE H
DET 198
RELEASE G
&EXIT

FILE: BATCHCST EXEC A
PAGE 001

VM/SP CONVERSATIONAL MONITOR SYSTEM

&CONTROL OFF
&ERROR &GOTO -ERR
CLRSCRN

*-----
*ENTER RUNS YOU WANT "EXEC COSTER2 FN1 FN2"
*WHERE FN1=FILENAME OF FORCE STRUCTURE DATA
* AND FN2=FILENAME OF COSTMAP
*-----

EXEC COSTER2 ACE09CAT AE
EXEC COSTER2 NCE09CAT NE
EXEC COSTER2 FBO11CAT FO
&GOTO -DONE

-ERR
 &TYPE ERROR IN RUNNING COST PROGRAM -- CONTACT MODEL MANAGER
 &EXIT
-DONE
 &EXIT

FILE: COSTER2 EXEC A
PAGE 001

VM/SP CONVERSATIONAL MONITOR SYSTEM

&CONTROL OFF
CLRSCRN
LINK TO QRMCSRH2 191 199 RR RPASS
ACCESS 199 H
LINK TO QRM2JVD 191 198 RR RPASS
ACCESS 198 G
&ERROR &GOTO -ERR
FILEDEF 2 PRINTER (RECFM FA LRECL 132 BLKSIZE 133 PERM
FILEDEF 6 TERMINAL (RECFM F LRECL 130 BLKSIZE 131 PERM
FILEDEF 46 DISK &1 SUBSTRUC A4
FILEDEF 48 DISK &1 LRATES A4
FILEDEF 49 DISK &1 GRATES A4
FILEDEF 30 DISK COST DATABASE H1 (XTENT 54001
FILEDEF 31 DISK &2 COSTMAP G1 (RECFM F LRECL 132 BLKSIZE 132
&STACK 0
&STACK 99
COSTER
&GOTO -DONE
-ERR
&TYPE ABNORMAL TERMINATION IN COST ROUTINE EXEC
-DONE DET 199
RELEASE H
DET 198
RELEASE G
&EXIT

```

COMMON/CD/CEM(35,10,2),ENAME(17),CNAME(17)
DIMENSION SUBCAT(15,36,13),GAINS(35,15,10,2),ATTRIT(35,10,12)
INTEGER NGRD,NCAT,NAMCAT(15,2),TITLE(65),NAMFIL(2),NAMTYP(2)
DIMENSION DUM(35,15,10),FLOSS(35,11,10,15)
DIMENSION COST(41,16),TCOST(61,16),FCOST(25,16),RCST(13,16,15)
INTEGER CMAP(68,2,15),CMTTL(17),FTTL(17),IGST(15)
INTEGER CMNM(68,3),FXNM(25,3)

C
C
DATA FXNM/75*'TEST'/
C***** READ IN DATA FROM FILES ***** (FORCE DATA)
C
READ(46) NGRD,NCAT,NAMCAT,TITLE,NAMFIL,NAMTYP
READ(46) SUBCAT
C
C***** (GAINS) *****
C
READ(49) DUM
READ(49) DUM
READ(49) GAINS
C
C***** CALCULATE LOSSES *** (FLOSS = RATE * FORCE)
C
DO 100 IC=1,NCAT
READ(48) ATTRIT
DO 102 IG=1,NGRD
DO 102 IY=1,35
DO 102 IT=1,11
FLOSS(IY,IT,IG,IC)=ATTRIT(IY,IG,IT)*SUBCAT(IC,IY,IG+3)
102 CONTINUE
100 CONTINUE
C
C***** READ IN COSTING MAP *****
C
READ(31,3101) CMTTL
3101 FORMAT(17A4)
DO 3102 I=1,7
READ(31,3103) ITEMP
3103 FORMAT(A1)
3102 CONTINUE
DO 3104 I=1,41
READ(31,3105) (CMNM(I,J),J=1,3),((CMAP(I,1,K),CMAP(I,2,K)),K=1,15)
3105 FORMAT(A4,A4,A3,1X,15(14,I4))
3104 CONTINUE
C
DO 3110 I=1,10

```

COS00010
 COS00020
 COS00030
 COS00040
 COS00050
 COS00060
 COS00070
 COS00080
 COS00090
 COS00100
 COS00110
 COS00120
 COS00130
 COS00140
 COS00150
 COS00160
 COS00170
 COS00180
 COS00190
 COS00200
 COS00210
 COS00220
 COS00230
 COS00240
 COS00250
 COS00260
 COS00270
 COS00280
 COS00290
 COS00300
 COS00310
 COS00320
 COS00330
 COS00340
 COS00350
 COS00360
 COS00370
 COS00380
 COS00390
 COS00400
 COS00410
 COS00420
 COS00430
 COS00440
 COS00450
 COS00460

| | |
|---|----------|
| DO 3110 J=1,16 | COS00470 |
| FCOST(I,J)=0.0 | COS00480 |
| 3110 CONTINUE | COS00490 |
| C | COS00500 |
| C***** READ IN FIXED COSTS ***** | COS00510 |
| C | COS00520 |
| DO 3106 I=42,66 | COS00530 |
| READ(31,3108,END=3113) (FXNM(I-41,J),J=1,3),(ICST(J),J=1,15) | COS00540 |
| DO 3107 J=1,15 | COS00550 |
| FCOST(I-41,J)=ICST(J)*1000 | COS00560 |
| 3107 CONTINUE | COS00570 |
| 3106 CONTINUE | COS00580 |
| 3108 FORMAT(A4,A4,A3,1X,15I8) | COS00590 |
| GO TO 3111 | COS00600 |
| C | COS00610 |
| C***** INVALID COST MAP (NO RET FIX COSTS) | COS00620 |
| C | COS00630 |
| 3113 CALL DISPCL | COS00640 |
| WRITE(6,3112) | COS00650 |
| WRITE(2,3112) | COS00660 |
| 3112 FORMAT(/,1(1X,58(1H*),/),1X, | COS00670 |
| *'--- NO FIXED COSTS GIVEN FOR RETIREMENT IN COST MAP ---',/,1X, | COS00680 |
| *'--- RETIREMENT FIX COSTS SET TO ZERO--- EXECUTION CONTINUES',/, | COS00690 |
| *1(1X,58(1H*),/)) | COS00700 |
| C | COS00710 |
| C***** | COS00720 |
| C* BEGIN COSTING ROUTINE | COS00730 |
| C***** | COS00740 |
| C | COS00750 |
| C===== MAINT COSTS FIRST ===== | COS00760 |
| C | COS00770 |
| 3111 DO 200 I=1,12 | COS00780 |
| DO 200 J=1,NCAT | COS00790 |
| IE=CMAP(I,1,J) | COS00800 |
| IC=CMAP(I,2,J) | COS00810 |
| IF(IE.LE.0.OR.IC.LE.0)GO TO 200 | COS00820 |
| C | COS00830 |
| CALL LOADC(IE,IC,1) | COS00840 |
| C | COS00850 |
| COST(I,J)=0.0 | COS00860 |
| DO 210 IY=1,35 | COS00870 |
| DO 210 IG=1,NGRD | COS00880 |
| COST(I,J)=COST(I,J)+SUBCAT(J,IY,IG+3)*CEM(IY,IG,1)*CEM(IY,IG,2) | COS00890 |
| 210 CONTINUE | COS00900 |
| COST(I,J)=COST(I,J)*12. | COS00910 |
| 200 CONTINUE | COS00920 |

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C*****COS00930
C                                     COS00940
C THE FOLOWING SECTION CREATES LOSS AND RETIREMENT COSTS          COS00950
C IT IS HARD CODED ( PER DESIGN )                                COS00960
C                                     COS00970
C RCST(1,*,*) = TERM LEAVE                                       COS00980
C RCST(2,*,*) = PCS-SEP                                           COS00990
C RCST(3,*,*,*) = BURIAL COSTS                                    COS01000
C RCST(4,*,*) = DEATH GRATUITY                                    COS01010
C RCST(5,*,*) = DIS. SEV PAY                                     COS01020
C RCST(6,*,*) = SEP PAY                                           COS01030
C RCST(7,*,*) = SBP-DIC SUPPL                                     COS01040
C RCST(8,*,*) = RET-DIS                                           COS01050
C RCST(9,*,*) = RET-NON DIS                                       COS01060
C RCST(10,*,*) = SBP-RET(DIS)                                     COS01070
C RCST(11,*,*) = SBP-RET(TITLE III)                              COS01080
C RCST(12,*,*) = VESTING                                          COS01090
C RCST(13,*,*) = TITLE III                                       COS01100
C                                     COS01110
C*****COS01120
C                                     COS01130
C---TERMINAL LEAVE/SEP PCS -----COS01140
C                                     COS01150
C                                     COS01160
C DO 300 I=13,14                                                  COS01170
C DO 299 J=1,NCAT                                                COS01180
C IE=CMAP(I,1,J)                                                  COS01190
C IC=CMAP(I,2,J)                                                  COS01200
C IF(IE.EQ.0.OR.IC.EQ.0)GO TO 300                                COS01210
C CALL LOADC(IE,IC,1)                                             COS01220
C DO 301 IY=1,35                                                  COS01230
C DO 301 IT=3,11                                                  COS01240
C DO 301 IG=1,NGRD                                                COS01250
C RCST(I-12,J,1)=RCST(I-12,J,1)+                                COS01260
C * FLOSS(IY,IT,IG,J)*CEM(IY,IG,1)*CEM(IY,IG,2)                COS01270
301 CONTINUE                                                    COS01280
299 CONTINUE                                                    COS01290
300 CONTINUE                                                    COS01300
C                                     COS01310
C---BURIAL AND DEATH GRATUITY---COS01320
C                                     COS01330
C DO 303 I=16,17                                                  COS01340
C IE=CMAP(I,1,1)                                                  COS01350
C IC=CMAP(I,2,1)                                                  COS01360
C IF(IE.EQ.0.OR.IC.EQ.0)GO TO 303                                COS01370
C CALL LOADC(IE,IC,1)                                             COS01380
C DO 302 J=1,NCAT

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| | |
|---|----------|
| DO 302 IY=1,35 | COS01390 |
| DO 302 IG=1,NGRD | COS01400 |
| RCST(I-13,J,1)=RCST(I-13,J,1)+ | COS01410 |
| * FLOSS(IY,3,IG,J)*CEM(IY,IG,1)*CEM(IY,IG,2) | COS01420 |
| 302 CONTINUE | COS01430 |
| 303 CONTINUE | COS01440 |
| C | COS01450 |
| C---DIS SEV AND SEP PAY---- | COS01460 |
| C | COS01470 |
| DO 305 I=22,23 | COS01480 |
| IE=CMAP(I,1,1) | COS01490 |
| IC=CMAP(I,2,1) | COS01500 |
| IF(IE.EQ.0.OR.IC.EQ.0)GO TO 305 | COS01510 |
| CALL LOADC(IE,IC,1) | COS01520 |
| DO 304 J=1,NCAT | COS01530 |
| DO 304 IY=1,35 | COS01540 |
| DO 304 IG=1,NGRD | COS01550 |
| RCST(I-17,J,1)=RCST(I-17,J,1)+ | COS01560 |
| * FLOSS(IY,1-14,IG,J)*CEM(IY,IG,1)*CEM(IY,IG,2) | COS01570 |
| 304 CONTINUE | COS01580 |
| 305 CONTINUE | COS01590 |
| C | COS01600 |
| C***** | COS01610 |
| C FINISHED WITH BASIC LOSS COSTS--NOW DO RETIREMENT OPTIONS | COS01620 |
| C***** | COS01630 |
| C | COS01640 |
| DO 310 K=1,15 | COS01650 |
| C | COS01660 |
| C---SBP-DIC SUPP----- | COS01670 |
| C | COS01680 |
| I=15 | COS01690 |
| IE=CMAP(I,1,K) | COS01700 |
| IC=CMAP(I,2,K) | COS01710 |
| IF(IE.EQ.0.OR.IC.EQ.0)GO TO 312 | COS01720 |
| CALL LOADC(IE,IC,1) | COS01730 |
| DO 311 J=1,NCAT | COS01740 |
| DO 311 IY=1,35 | COS01750 |
| DO 311 IG=1,NGRD | COS01760 |
| RCST(7,J,K)=RCST(7,J,K)+ | COS01770 |
| * FLOSS(IY,3,IG,J)*CEM(IY,IG,1)*CEM(IY,IG,2) | COS01780 |
| 311 CONTINUE | COS01790 |
| C | COS01800 |
| C--- RET-DIS ---- | COS01810 |
| C | COS01820 |
| 312 I=18 | COS01830 |
| IE=CMAP(I,1,K) | COS01840 |

| | |
|---|----------|
| IC=CMAP(I,2,K) | COS01850 |
| IF(IE.EQ.0.OR.IC.EQ.0)GO TO 314 | COS01860 |
| CALL LOADC(IE,IC,1) | COS01870 |
| DO 313 J=1,NCAT | COS01880 |
| DO 313 IY=1,35 | COS01890 |
| DO 313 IG=1,NGRD | COS01900 |
| RCST(8,J,K)=RCST(8,J,K)+ | COS01910 |
| * FLOSS(IY,4,IG,J)*CEM(IY,IG,1)*CEM(IY,IG,2) | COS01920 |
| 313 CONTINUE | COS01930 |
| C | COS01940 |
| C--- RET-NON DIS ---- | COS01950 |
| C | COS01960 |
| 314 I=19 | COS01970 |
| IE=CMAP(I,1,K) | COS01980 |
| IC=CMAP(I,2,K) | COS01990 |
| IF(IE.EQ.0.OR.IC.EQ.0) GO TO 316 | COS02000 |
| CALL LOADC(IE,IC,1) | COS02010 |
| DO 315 J=1,NCAT | COS02020 |
| DO 315 IY=1,35 | COS02030 |
| DO 315 IG=1,NGRD | COS02040 |
| DO 315 IT=5,7 | COS02050 |
| RCST(9,J,K)=RCST(9,J,K)+ | COS02060 |
| * FLOSS(IY,IT,IG,J)*CEM(IY,IG,1)*CEM(IY,IG,2) | COS02070 |
| 315 CONTINUE | COS02080 |
| C | COS02090 |
| C--- SBP-RET(DIS) ----- | COS02100 |
| C | COS02110 |
| 316 I=20 | COS02120 |
| IE=CMAP(I,1,K) | COS02130 |
| IC=CMAP(I,2,K) | COS02140 |
| IF(IE.EQ.0.OR.IC.EQ.0)GO TO 318 | COS02150 |
| CALL LOADC(IE,IC,1) | COS02160 |
| DO 317 J=1,NCAT | COS02170 |
| DO 317 IY=1,35 | COS02180 |
| DO 317 IG=1,NGRD | COS02190 |
| DO 317 IT=4,7 | COS02200 |
| RCST(10,J,K)=RCST(10,J,K)+ | COS02210 |
| * FLOSS(IY,IT,IG,J)*CEM(IY,IG,1)*CEM(IY,IG,2) | COS02220 |
| 317 CONTINUE | COS02230 |
| C | COS02240 |
| C--- SBP-RET(TITLE III) ----- | COS02250 |
| C | COS02260 |
| 318 I=21 | COS02270 |
| IE=CMAP(I,1,K) | COS02280 |
| IC=CMAP(I,2,K) | COS02290 |
| IF(IE.EQ.0.OR.IC.EQ.0)GO TO 320 | COS02300 |

| | |
|--|----------|
| CALL LOADC(IE,IC,1) | COS02310 |
| DO 319 J=1,NCAT | COS02320 |
| DO 319 IY=1,35 | COS02330 |
| DO 319 IG=1,NGRD | COS02340 |
| RCST(11,J,K)=RCST(11,J,K)+ | COS02350 |
| * FLOSS(IY,10,IG,J)*CEM(IY,IG,1)*CEM(IY,IG,2) | COS02360 |
| 319 CONTINUE | COS02370 |
| C | COS02380 |
| C-----VESTING----- | COS02390 |
| C | COS02400 |
| 320 I=24 | COS02410 |
| IE=CMAP(I,1,K) | COS02420 |
| IC=CMAP(I,2,K) | COS02430 |
| IF(IE.EQ.0.OR.IC.EQ.0)GO TO 322 | COS02440 |
| CALL LOADC(IE,IC,1) | COS02450 |
| DO 321 J=1,NCAT | COS02460 |
| DO 321 IY=1,35 | COS02470 |
| DO 321 IG=1,NGRD | COS02480 |
| DO 321 IT=8,11 | COS02490 |
| RCST(12,J,K)=RCST(12,J,K)+ | COS02500 |
| * FLOSS(IY,IT,IG,J)*CEM(IY,IG,1)*CEM(IY,IG,2) | COS02510 |
| 321 CONTINUE | COS02520 |
| C | COS02530 |
| C---- TITLE III ----- | COS02540 |
| C | COS02550 |
| 322 I=25 | COS02560 |
| IE=CMAP(I,1,K) | COS02570 |
| IC=CMAP(I,2,K) | COS02580 |
| IF(IE.EQ.0.OR.IC.EQ.0)GO TO 310 | COS02590 |
| CALL LOADC(IE,IC,1) | COS02600 |
| DO 323 J=1,NCAT | COS02610 |
| DO 323 IY=1,35 | COS02620 |
| DO 323 IG=1,NGRD | COS02630 |
| RCST(13,J,K)=RCST(13,J,K)+ | COS02640 |
| * FLOSS(IY,10,IG,J)*CEM(IY,IG,1)*CEM(IY,IG,2) | COS02650 |
| 323 CONTINUE | COS02660 |
| C | COS02670 |
| C***FINISHED LOOP THROUGH ANOTHER OPTION ***** | COS02680 |
| C | COS02690 |
| 310 CONTINUE | COS02700 |
| C | COS02710 |
| C***** | COS02720 |
| C | COS02730 |
| C NOW DO GAINS | COS02740 |
| C***** | COS02750 |
| C | COS02760 |

| | |
|--|----------|
| DO 400 I=26,31 | COS02770 |
| DO 400 J=1,NCAT | COS02780 |
| IE=CMAP(I,1,J) | COS02790 |
| IC=CMAP(I,2,J) | COS02800 |
| IF(IE.EQ.0.OR.IC.EQ.0) GO TO 400 | COS02810 |
| C | COS02820 |
| CALL LOADC(IE,IC,1) | COS02830 |
| C | COS02840 |
| COST(I,J)=0.0 | COS02850 |
| DO 410 IY=1,35 | COS02860 |
| DO 410 IG=1,NGRD | COS02870 |
| IF(I.GT.30) GO TO 411 | COS02880 |
| COST(I,J)=COST(I,J)+GAINS(IY,J,IG,1)*CEM(IY,IG,1)*CEM(IY,IG,2) | COS02890 |
| GO TO 410 | COS02900 |
| 411 COST(I,J)=COST(I,J)+GAINS(IY,J,IG,2)*CEM(IY,IG,1)*CEM(IY,IG,2) | COS02910 |
| 410 CCONTINUE | COS02920 |
| 400 CONTINUE | COS02930 |
| C | COS02940 |
| C ***** NOW COST OUT S & I PAYS ***** | COS02950 |
| C | COS02960 |
| DO 500 I=32,41 | COS02970 |
| DO 500 J=1,NCAT | COS02980 |
| IE=CMAP(I,1,J) | COS02990 |
| IC=CMAP(I,2,J) | COS03000 |
| IF(IE.EQ.0.OR.IC.EQ.0) GO TO 500 | COS03010 |
| C | COS03020 |
| CALL LOADC(IE,IC,1) | COS03030 |
| C | COS03040 |
| COST(I,J)=0.0 | COS03050 |
| DO 510 IY=1,35 | COS03060 |
| DO 510 IG=1,NGRD | COS03070 |
| COST(I,J)=COST(I,J)+SUBCAT(J,IY,IG+3)*CEM(IY,IG,1)*CEM(IY,IG,2) | COS03080 |
| 510 CONTINUE | COS03090 |
| 500 CONTINUE | COS03100 |
| C | COS03110 |
| C***** | COS03120 |
| C***** NOW COLLECT COSTS BY TYPE ***** | COS03130 |
| C***** | COS03140 |
| C | COS03150 |
| DO 1000 I=1,61 | COS03160 |
| DO 1000 J=1,16 | COS03170 |
| TCOST(I,J)=0.0 | COS03180 |
| 1000 CONTINUE | COS03190 |
| C | COS03200 |
| DO 1100 J=1,NCAT | COS03210 |
| DO 1101 I=1,12 | COS03220 |

| | | |
|------|--|----------|
| | TCOST(4,J)=TCOST(4,J)+COST(I,J) | COS03230 |
| | COST(I,16)=COST(I,16)+COST(I,J) | COS03240 |
| 1101 | CONTINUE | COS03250 |
| | DO 1102 I=1,6 | COS03260 |
| | TCOST(10,J)=TCOST(10,J)+RCST(I,J,1) | COS03270 |
| | RCST(I,16,1)=RCST(I,16,1)+RCST(I,J,1) | COS03280 |
| 1102 | CONTINUE | COS03290 |
| | DO 1103 I=26,31 | COS03300 |
| | TCOST(1,J)=TCOST(1,J)+COST(I,J) | COS03310 |
| | COST(I,16) = COST(I,16) +COST(I,J) | COS03320 |
| 1103 | CONTINUE | COS03330 |
| | DO 1104 I=32,41 | COS03340 |
| | TCOST(7,J)=TCOST(7,J)+COST(I,J) | COS03350 |
| | COST(I,16) = COST(I,16) + COST(I,J) | COS03360 |
| 1104 | CONTINUE | COS03370 |
| | DO 1105 IOP=1,15 | COS03380 |
| | DO 1105 I=7,13 | COS03390 |
| | RCST(I,16,IOP)=RCST(I,16,IOP)+RCST(I,J,IOP) | COS03400 |
| 1105 | CONTINUE | COS03410 |
| 1100 | CONTINUE | COS03420 |
| C | | COS03430 |
| C | ***** GATHER FIX COSTS ***** | COS03440 |
| C | | COS03450 |
| | DO 1110 J=1,NCAT | COS03460 |
| | DO 1111 I=1,5 | COS03470 |
| | TCOST(5,J) = TCOST(5,J) + FCOST(I,J) | COS03480 |
| | TCOST(11,J) = TCOST(11,J) + FCOST(I+5,J) | COS03490 |
| | TCOST(2,J) = TCOST(2,J) + FCOST(I+10,J) | COS03500 |
| | TCOST(8,J) = TCOST(8,J) + FCOST(I+15,J) | COS03510 |
| | TCOST(16,J)=TCOST(16,J)+FCOST(I+20,J) | COS03520 |
| | FCOST(I,16) = FCOST(I,16) + FCOST(I,J) | COS03530 |
| | FCOST(I+5,16) = FCOST(I+5,16) + FCOST(I+5,J) | COS03540 |
| | FCOST(I+10,16) = FCOST(I+10,16) + FCOST(I+10,J) | COS03550 |
| | FCOST(I+15,16) = FCOST(I+15,16) + FCOST(I+15,J) | COS03560 |
| | FCOST(I+20,16) = FCOST(I+20,16) + FCOST(I+20,J) | COS03570 |
| 1111 | CONTINUE | COS03580 |
| 1110 | CONTINUE | COS03590 |
| C | | COS03600 |
| C | ***** GATHER SUBTOTALS / TOTALS ***** | COS03610 |
| C | | COS03620 |
| | DO 1120 J=1,NCAT | COS03630 |
| | TCOST(3,J) = TCOST(2,J) + TCOST(1,J) | COS03640 |
| | TCOST(6,J) = TCOST(5,J) + TCOST(4,J) | COS03650 |
| | TCOST(9,J) = TCOST(8,J) + TCOST(7,J) | COS03660 |
| | TCOST(12,J) = TCOST(11,J) + TCOST(10,J) | COS03670 |
| | TCOST(13,J)=TCOST(10,J)+TCOST(7,J)+TCOST(4,J)+TCOST(1,J) | COS03680 |

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| | TCOST(14,J)=TCOST(11,J)+TCOST(8,J)+TCOST(5,J)+TCOST(2,J) | COS03690 |
| | TCOST(15,J)=TCOST(12,J)+TCOST(9,J)+TCOST(6,J)+TCOST(3,J) | COS03700 |
| 1120 | CONTINUE | COS03710 |
| | DO 1121 I=1,16 | COS03720 |
| | DO 1121 J=1,NCAT | COS03730 |
| | TCOST(I,16)=TCOST(I,16)+TCOST(I,J) | COS03740 |
| 1121 | CONTINUE | COS03750 |
| | ***** | COS03760 |
| C | SUM UP RETIREMENT OPTIONS | COS03770 |
| | ***** | COS03780 |
| C | | COS03790 |
| | DO 1200 K=1,15 | COS03800 |
| C | | COS03810 |
| C | | COS03820 |
| | IP=(K*3)-2 | COS03830 |
| | DO 1201 I=7,13 | COS03840 |
| | DO 1201 J=1,NCAT | COS03850 |
| | TCOST(16+IP,J)=TCOST(16+IP,J)+RCST(I,J,K) | COS03860 |
| 1201 | CONTINUE | COS03870 |
| C | | COS03880 |
| | DO 1204 J=1,NCAT | COS03890 |
| | TCOST(17+IP,J) = TCOST(17+IP,J) + TCOST(16+IP,J) + TCOST(16,J) | COS03900 |
| 1204 | CONTINUE | COS03910 |
| C | | COS03920 |
| | DO 1202 J=1,NCAT | COS03930 |
| | TCOST(18+IP,J)=TCOST(17+IP,J)+TCOST(15,J) | COS03940 |
| 1202 | CONTINUE | COS03950 |
| C | | COS03960 |
| | DO 1203 J=1,NCAT | COS03970 |
| | TCOST(16+IP,16)=TCOST(16+IP,16)+TCOST(16+IP,J) | COS03980 |
| | TCOST(17+IP,16)=TCOST(17+IP,16)+TCOST(17+IP,J) | COS03990 |
| | TCOST(18+IP,16) = TCOST(18+IP,16) + TCOST(18+IP,J) | COS04000 |
| 1203 | CONTINUE | COS04010 |
| C | | COS04020 |
| 1200 | CONTINUE | COS04030 |
| C | | COS04040 |
| C | | COS04050 |
| | ***** | COS04060 |
| C* | PRINT REPORT | COS04070 |
| | ***** | COS04080 |
| C | | COS04090 |
| | DO 700 J=1,16 | COS04100 |
| | DO 701 I=1,61 | COS04110 |
| | TCOST(I,J)=TCOST(I,J)/1000000. | COS04120 |
| 701 | CONTINUE | COS04130 |
| | DO 702 I=1,41 | COS04140 |

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| | COST(I,J)=COST(I,J)/1000000. | COS04150 |
| 702 | CONTINUE | COS04160 |
| | DO 703 I=1,13 | COS04170 |
| | DO 704 K=1,15 | COS04180 |
| | RCST(I,J,K)=RCST(I,J,K)/1000000. | COS04190 |
| 704 | CONTINUE | COS04200 |
| 703 | CONTINUE | COS04210 |
| | DO 705 I=1,25 | COS04220 |
| | FCOST(I,J)=FCOST(I,J)/1000000. | COS04230 |
| 705 | CONTINUE | COS04240 |
| 700 | CONTINUE | COS04250 |
| C | | COS04260 |
| | CALL DISPC | COS04270 |
| | IO=6 | COS04280 |
| 887 | WRITE(6,888) | COS04290 |
| 888 | FORMAT(1X,'OUTPUT TO PRINTER(0) OR TERMINAL(1)? (99=STOP)') | COS04300 |
| | READ(5,*) ICH | COS04310 |
| | IF(ICH.EQ.99) GO TO 9999 | COS04320 |
| | IF(ICH.LT.0.OR.ICH.GT.1)GO TO 887 | COS04330 |
| | IO=(4*ICH)+2 | COS04340 |
| 899 | WRITE(IO,900) TITLE,CMTTL,(NAMCAT(I,1),I=1,15) | COS04350 |
| 900 | FORMAT(1H1,' COST SUMMARY FOR : ',65A1,/, | COS04360 |
| | 122X,17A4,/, ' COST IN MILLIONS OF DOLLARS', | COS04370 |
| | 1/,17X,15(1X,A4,2X), ' TOTAL ',/,17X,16(1X,'-----',1X)) | COS04380 |
| 901 | FORMAT(/,1X,'MAIN'. COSTS:') | COS04390 |
| 902 | FORMAT(/,1X,'LOSS COSTS:') | COS04400 |
| 903 | FORMAT(/,1X,'GAIN COSTS:') | COS04410 |
| 904 | FORMAT(/,1X,'S & I COSTS:') | COS04420 |
| 905 | FORMAT(/,5X,'VARIABLE:',3X,15F7.1,F8.1) | COS04430 |
| 906 | FORMAT(8X,'FIXED:',3X,15F7.1,F8.1) | COS04440 |
| 907 | FORMAT(8X,'TOTAL:',3X,15F7.1,F8.1) | COS04450 |
| 908 | FORMAT(/,1X,'SUB TOTAL:') | COS04460 |
| 909 | FORMAT(/,1X,'RET. OPTIONS:') | COS04470 |
| 910 | FORMAT(/,5X,'OPTION',I2,':',3X,15F7.1,F8.1) | COS04480 |
| 911 | FORMAT(1X,'*GRAND TOTAL*',3X,15F7.1,F8.1) | COS04490 |
| 912 | FORMAT(/,5X,'VARIABLE:') | COS04500 |
| 913 | FORMAT(8X,'FIXED:') | COS04510 |
| 914 | FORMAT(2X,A4,A4,A3,':',3X,15F7.1,F8.1) | COS04520 |
| 915 | FORMAT(///,4X,'OPTION',I3,':') | COS04530 |
| C | | COS04540 |
| C | | COS04550 |
| C | | COS04560 |
| C | ***** CREATE REPORT (AGGREGATE) ***** | COS04570 |
| C | | COS04580 |
| C | ** GAIN ** | COS04590 |
| C | | COS04600 |

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| WRITE(IO,903) | COS04610 |
| WRITE(IO,905) (TCOST(1,J),J=1,16) | COS04620 |
| WRITE(IO,906) (TCOST(2,J),J=1,16) | COS04630 |
| WRITE(IO,907) (TCOST(3,J),J=1,16) | COS04640 |
| C | COS04650 |
| C *** MAINT *** | COS04660 |
| C | COS04670 |
| WRITE(IO,901) | COS04680 |
| WRITE(IO,905) (TCOST(4,J),J=1,16) | COS04690 |
| WRITE(IO,906) (TCOST(5,J),J=1,16) | COS04700 |
| WRITE(IO,907) (TCOST(6,J),J=1,16) | COS04710 |
| C | COS04720 |
| C *** S & I *** | COS04730 |
| C | COS04740 |
| WRITE(IO,904) | COS04750 |
| WRITE(IO,905) (TCOST(7,J),J=1,16) | COS04760 |
| WRITE(IO,906) (TCOST(8,J),J=1,16) | COS04770 |
| WRITE(IO,907) (TCOST(9,J),J=1,16) | COS04780 |
| C | COS04790 |
| C *** LOSS *** | COS04800 |
| C | COS04810 |
| WRITE(IO,902) | COS04820 |
| WRITE(IO,905) (TCOST(10,J),J=1,16) | COS04830 |
| WRITE(IO,906) (TCOST(11,J),J=1,16) | COS04840 |
| WRITE(IO,907) (TCOST(12,J),J=1,16) | COS04850 |
| C | COS04860 |
| C *** SUB TOTALS *** | COS04870 |
| C | COS04880 |
| WRITE(IO,908) | COS04890 |
| WRITE(IO,905) (TCOST(13,J),J=1,16) | COS04900 |
| WRITE(IO,906) (TCOST(14,J),J=1,16) | COS04910 |
| WRITE(IO,907) (TCOST(15,J),J=1,16) | COS04920 |
| C | COS04930 |
| C *** RETIREMENT OPTIONS *** | COS04940 |
| C | COS04950 |
| WRITE(IO,900) TITLE,CMTTL,(NAMCAT(I,1),I=1,15) | COS04960 |
| WRITE(IO,909) | COS04970 |
| C | COS04980 |
| DO 2001 IR = 1,15 | COS04990 |
| IL=(IR*3-2)+16 | COS05000 |
| IF(TCOST(IL+1,16).LE.0.0) GO TO 2001 | COS05010 |
| WRITE(IO,910) IR,(TCOST(IL,J),J=1,16) | COS05020 |
| WRITE(IO,906) (TCOST(16,J),J=1,16) | COS05030 |
| WRITE(IO,907) (TCOST(IL+1,J),J=1,16) | COS05040 |
| WRITE(IO,911) (TCOST(IL+2,J),J=1,16) | COS05050 |
| 2001 CONTINUE | COS05060 |

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| C | | COS05070 |
| C | ***** NOW PRINT OUT DISAGGREGATE COSTS ***** | COS05080 |
| C | | COS05090 |
| | WRITE(10,900) TITLE,CMTTL,(NAMCAT(1,1),1=1,15) | COS05100 |
| C | | COS05110 |
| C | ***** GAIN ***** VAR | COS05120 |
| C | | COS05130 |
| | WRITE(10,903) | COS05140 |
| | WRITE(10,912) | COS05150 |
| | DO 3001 I=26,31 | COS05160 |
| | IF(COST(I,16).LE.0.0) GO TO 3001 | COS05170 |
| | WRITE(10,914) (CMNM(I,J),J=1,3),(COST(I,J),J=1,16) | COS05180 |
| 3001 | CONTINUE | COS05190 |
| C | | COS05200 |
| C | ***** GAIN ***** FIX | COS05210 |
| C | | COS05220 |
| | DO 3002 I=11,15 | COS05230 |
| | IF(FCOST(I,16).LE.0.0) GO TO 3002 | COS05240 |
| | WRITE(10,914) (FXNM(I,J),J=1,3),(FCOST(I,J),J=1,16) | COS05250 |
| 3002 | CONTINUE | COS05260 |
| | WRITE(10,907) (TCOST(3,J),J=1,16) | COS05270 |
| C | | COS05280 |
| C | | COS05290 |
| C | ***** MAINT ***** VAR | COS05300 |
| C | | COS05310 |
| | WRITE(10,901) | COS05320 |
| | WRITE(10,912) | COS05330 |
| | DO 3003 I=1,12 | COS05340 |
| | IF(COST(I,16).LE.0.0) GO TO 3003 | COS05350 |
| | WRITE(10,914) (CMNM(I,J),J=1,3),(COST(I,J),J=1,16) | COS05360 |
| 3003 | CONTINUE | COS05370 |
| C | | COS05380 |
| C | ***** MAINT ***** FIX | COS05390 |
| C | | COS05400 |
| | DO 3004 I=1,5 | COS05410 |
| | IF(FCOST(I,16).LE.0.0) GO TO 3004 | COS05420 |
| | WRITE(10,914) (FXNM(I,J),J=1,3),(FCOST(I,J),J=1,16) | COS05430 |
| 3004 | CONTINUE | COS05440 |
| | WRITE(10,907) (TCOST(6,J),J=1,16) | COS05450 |
| C | | COS05460 |
| C | ***** S & I ***** VAR | COS05470 |
| C | | COS05480 |
| | WRITE(10,904) | COS05490 |
| | WRITE(10,912) | COS05500 |
| | DO 3005 I=32,41 | COS05510 |
| | IF(COST(I,16).LE.0.0) GO TO 3005 | COS05520 |

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| WRITE(10,914) (CMNM(1,J),J=1,3),(FCOST(1,J),J=1,16) | COS05530 |
| 3005 CONTINUE | COS05540 |
| C | COS05550 |
| C **** S & I **** FIX | COS05560 |
| C | COS05570 |
| DO 3006 I=16,20 | COS05580 |
| IF(FCOST(1,16).LE.0.0) GO TO 3006 | COS05590 |
| WRITE(10,914) (FXNM(1,J),J=1,3),(FCOST(1,J),J=1,16) | COS05600 |
| 3006 CONTINUE | COS05610 |
| WRITE(10,907) (TCOST(9,J),J=1,16) | COS05620 |
| C | COS05630 |
| C***** LOSS ***** VAR | COS05640 |
| C | COS05650 |
| WRITE(10,902) | COS05660 |
| WRITE(10,912) | COS05670 |
| IF(RCST(1,16,1).LE.0.0) GO TO 30071 | COS05680 |
| WRITE(10,914) (CMNM(13,J),J=1,3),(RCST(1,J,1),J=1,16) | COS05690 |
| 30071 IF(RCST(2,16,1).LE.0.0) GO TO 30072 | COS05700 |
| WRITE(10,914) (CMNM(14,J),J=1,3),(RCST(2,J,1),J=1,16) | COS05710 |
| 30072 IF(RCST(3,16,1).LE.0.0) GO TO 30073 | COS05720 |
| WRITE(10,914) (CMNM(16,J),J=1,3),(RCST(3,J,1),J=1,16) | COS05730 |
| 30073 IF(RCST(4,16,1).LE.0.0) GO TO 30074 | COS05740 |
| WRITE(10,914) (CMNM(17,J),J=1,3),(RCST(4,J,1),J=1,16) | COS05750 |
| 30074 IF(RCST(5,16,1).LE.0.0) GO TO 30075 | COS05760 |
| WRITE(10,914) (CMNM(22,J),J=1,3),(RCST(5,J,1),J=1,16) | COS05770 |
| 30075 IF(RCST(6,16,1).LE.0.0) GO TO 30076 | COS05780 |
| WRITE(10,914) (CMNM(23,J),J=1,3),(RCST(6,J,1),J=1,16) | COS05790 |
| 30076 CONTINUE | COS05800 |
| C | COS05810 |
| C *** LOSS *** FIX | COS05820 |
| C | COS05830 |
| DO 3008 I=6,10 | COS05840 |
| IF(FCOST(1,16).LE.0.0) GO TO 3008 | COS05850 |
| WRITE(10,914) (FXNM(1,J),J=1,3),(FCOST(1,J),J=1,16) | COS05860 |
| 3008 CONTINUE | COS05870 |
| WRITE(10,907) (TCOST(12,J),J=1,16) | COS05880 |
| C | COS05890 |
| C***** SUB-TOTAL ***** | COS05900 |
| C | COS05910 |
| WRITE(10,908) | COS05920 |
| WRITE(10,907) (TCOST(15,J),J=1,16) | COS05930 |
| C***** PPRINT OUT RETIREMENT OPTIONS (3 TO A PAGE) ***** | COS05940 |
| C | COS05950 |
| C***** PPRINT OUT RETIREMENT OPTIONS (3 TO A PAGE) ***** | COS05960 |
| C | COS05970 |
| DO 3100 IOPT=1,13,3 | COS05980 |

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| C | | COS05990 |
| | WRITE(IO,900) TITLE,CMTTL,(NAMCAT(I,1),I=1,15) | COS06000 |
| C | | COS06010 |
| | DO 3201 I=1,3 | COS06020 |
| | IR=IOPT+I-1 | COS06030 |
| | WRITE(IO,915) IR | COS06040 |
| | WRITE(IO,914) (CMNM(15,J),J=1,3),(RCST(7,J,IR),J=1,16) | COS06050 |
| | WRITE(IO,914) (CMNM(18,J),J=1,3),(RCST(8,J,IR),J=1,16) | COS06060 |
| | WRITE(IO,914) (CMNM(19,J),J=1,3),(RCST(9,J,IR),J=1,16) | COS06070 |
| | WRITE(IO,914) (CMNM(20,J),J=1,3),(RCST(10,J,IR),J=1,16) | COS06080 |
| | WRITE(IO,914) (CMNM(21,J),J=1,3),(RCST(11,J,IR),J=1,16) | COS06090 |
| | WRITE(IO,914) (CMNM(24,J),J=1,3),(RCST(12,J,IR),J=1,16) | COS06100 |
| | WRITE(IO,914) (CMNM(25,J),J=1,3),(RCST(13,J,IR),J=1,16) | COS06110 |
| | DO 3202 K=21,25 | COS06120 |
| | IF(FCOST(K,16).LE.0.0) GO TO 3202 | COS06130 |
| | WRITE(IO,914) (FXNM(K,J),J=1,3),(FCOST(K,J),J=1,16) | COS06140 |
| 3202 | CONTINUE | COS06150 |
| | IL=(IR*3-2)+16 | COS06160 |
| | WRITE(IO,907) (TCOST(IL+1,J),J=1,16) | COS06170 |
| | WRITE(IO,911) (TCOST(IL+2,J),J=1,16) | COS06180 |
| 3201 | CONTINUE | COS06190 |
| 3100 | CONTINUE | COS06200 |
| C | | COS06210 |
| C | | COS06220 |
| C | ***** | COS06230 |
| C | NOW PRINT OUT TITLES OF COST FILES USED | COS06240 |
| C | ***** | COS06250 |
| C | | COS06260 |
| C3998 | WRITE(6,3999) | COS06270 |
| C3999 | FORMAT(1X,'DO YOU WANT LISTING OF COST FILES USED?',/, | COS06280 |
| C | 11X,'1=YES 2=NO') | COS06290 |
| C | READ(5,*) ILP | COS06300 |
| 3998 | ILP=2 | COS06310 |
| | IF(ILP.NE.1.AND.ILP.NE.2) GO TO 3998 | COS06320 |
| | IF(ILP.EQ.2) GO TO 887 | COS06330 |
| | WRITE(IO,4000) TITLE,CMTTL | COS06340 |
| 4000 | FORMAT(1H1,'LISTING OF COST FILES USED IN COSTING :',65A1, | COS06350 |
| | */,1X,17A4) | COS06360 |
| C | | COS06370 |
| | DO 600 J=1,NCAT | COS06380 |
| | WRITE(IO,4002) NAMCAT(J,1) | COS06390 |
| 4002 | FORMAT(1X,'***** CATEGORY = ',A4,' *****') | COS06400 |
| | WRITE(IO,901) | COS06410 |
| | DO 601 I=1,12 | COS06420 |
| | IE=CMAP(I,1,J) | COS06430 |
| | IC=CMAP(I,2,J) | COS06440 |

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| IF(IE.EQ.0.OR.IC.EQ.0) GO TO 601 | COS06450 |
| CALL LOADC(IE,IC,2) | COS06460 |
| WRITE(IO,4001) IE,IC,I,CNAME,ENAME | COS06470 |
| 4001 FORMAT(1X,'(',14,'/',14,')',3X,12,':',3X,17A4,/,21X,17A4) | COS06480 |
| 601 CONTINUE | COS06490 |
| C | COS06500 |
| WRITE(IO,902) | COS06510 |
| DO 602 I=13,25 | COS06520 |
| IE=CMAP(I,1,J) | COS06530 |
| IC=CMAP(I,2,J) | COS06540 |
| IF(IE.EQ.0.OR.IC.EQ.0) GO TO 602 | COS06550 |
| CALL LOADC(IE,IC,2) | COS06560 |
| WRITE(IO,4001) IE,IC,I,CNAME,ENAME | COS06570 |
| 602 CONTINUE | COS06580 |
| C | COS06590 |
| WRITE(IO,903) | COS06600 |
| DO 603 I=26,31 | COS06610 |
| IE=CMAP(I,1,J) | COS06620 |
| IC=CMAP(I,2,J) | COS06630 |
| IF(IE.EQ.0.OR.IC.EQ.0) GO TO 603 | COS06640 |
| CALL LOADC(IE,IC,2) | COS06650 |
| WRITE(IO,4001) IE,IC,I,CNAME,ENAME | COS06660 |
| 603 CONTINUE | COS06670 |
| C | COS06680 |
| WRITE(IO,904) | COS06690 |
| DO 604 I=32,41 | COS06700 |
| IE=CMAP(I,1,J) | COS06710 |
| IC=CMAP(I,2,J) | COS06720 |
| IF(IE.EQ.0.OR.IC.EQ.0) GO TO 604 | COS06730 |
| CALL LOADC(IE,IC,2) | COS06740 |
| WRITE(IO,4001) IE,IC,I,CNAME,ENAME | COS06750 |
| 604 CONTINUE | COS06760 |
| C | COS06770 |
| 600 CONTINUE | COS06780 |
| WRITE(IO,4004) | COS06790 |
| 4004 FORMAT(//,1X,'***** FINISHED LISTING COST FILE NAMES *****') | COS06800 |
| GO TO 887 | COS06810 |
| 9999 STOP | COS06820 |
| END | COS06830 |
| C | COS06840 |
| SUBROUTINE LOADC(IE,IC,IOP) | COS06850 |
| COMMON/CD/CEM(35,10,2),ENAME(17),CNAME(17) | COS06860 |
| DATA INIT/0/ | COS06870 |
| DATA ILC/-1/,ILE/-1/ | COS06880 |
| C | COS06890 |
| C***** LOAD COST DATA BASE ***** | COS06900 |

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| C | | COS06910 |
| | IF(INIT.GT.0) GO TO 40 | COS06920 |
| | DEFINE FILE 30(54001,17,U,ID) | COS06930 |
| | INIT=1 | COS06940 |
| 40 | GO TO (50,300),10P | COS06950 |
| C | | COS06960 |
| C | | COS06970 |
| C | ***** LOAD ENTITLEMENT MATIX ***** | COS06980 |
| C | | COS06990 |
| 50 | IF(ILE.EQ.IE) GO TO 150 | COS07000 |
| | ILE=IE | COS07010 |
| | ID=(IE*36)-34 | COS07020 |
| | READ(30'ID) ENAME | COS07030 |
| | DO 100 I=1,35 | COS07040 |
| | READ(30'ID) (CEM(I,J,1),J=1,10) | COS07050 |
| 100 | CONTINUE | COS07060 |
| C | | COS07070 |
| C | ***** NOW LOAD COST MATRIX ***** | COS07080 |
| C | | COS07090 |
| 150 | IF(ILC.EQ.IC) GO TO 250 | COS07100 |
| | ILC=IC | COS07110 |
| | ID=(IC*36)-34 | COS07120 |
| | READ(30'ID) CNAME | COS07130 |
| | DO 200 I=1,35 | COS07140 |
| | READ(30'ID) (CEM(I,J,2),J=1,10) | COS07150 |
| 200 | CONTINUE | COS07160 |
| C | | COS07170 |
| 250 | RETURN | COS07180 |
| C | ***** THIS SECTION READS TITLES ONLY ***** | COS07190 |
| C | | COS07200 |
| C | ***** THIS SECTION READS TITLES ONLY ***** | COS07210 |
| C | | COS07220 |
| 300 | ID=(IE*36)-34 | COS07230 |
| | READ(30'ID) ENAME | COS07240 |
| | ID=(IC*36)-34 | COS07250 |
| | READ(30'ID) CNAME | COS07260 |
| 350 | RETURN | COS07270 |
| | END | COS07280 |

COST SUMMARY FOR : EXAMPLE RUN OF ARMY ENLISTED CURR OBJ FILE (ACE09CAT)
COST MATRIX MAP FOR: ARMY ENLISTED; RETIREMENT IS CURRENT TERM PAY

| COST IN MILLIONS OF DOLLARS | | | | | | | | | | |
|-----------------------------|--------|-------|--------|-------|-------|--------|--------|-------|--------|-------|
| 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | NONE | TOTAL |
| GAIN COSTS: | | | | | | | | | | |
| VARIABLE: | 345.8 | 45.9 | 151.3 | 85.7 | 20.8 | 123.2 | 155.2 | 22.3 | 111.2 | 0.0 |
| FIXED: | 478.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| TOTAL: | 823.8 | 45.9 | 151.3 | 85.7 | 20.8 | 123.2 | 155.2 | 22.3 | 111.2 | 0.0 |
| MAINT. COSTS: | | | | | | | | | | |
| VARIABLE: | 2292.6 | 533.8 | 1114.6 | 553.7 | 255.6 | 1726.6 | 1405.7 | 226.0 | 1070.9 | 0.0 |
| FIXED: | 644.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| TOTAL: | 2937.4 | 533.8 | 1114.6 | 553.7 | 255.6 | 1726.6 | 1405.7 | 226.0 | 1070.9 | 0.0 |
| S & I COSTS: | | | | | | | | | | |
| VARIABLE: | 64.5 | 3.8 | 20.2 | 3.5 | 4.7 | 0.7 | 7.9 | 0.3 | 0.2 | 0.0 |
| FIXED: | 58.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| TOTAL: | 123.3 | 3.8 | 20.2 | 3.5 | 4.7 | 0.7 | 7.9 | 0.3 | 0.2 | 0.0 |
| LOSS COSTS: | | | | | | | | | | |
| VARIABLE: | 47.3 | 9.0 | 23.3 | 9.8 | 4.2 | 27.7 | 31.4 | 4.9 | 22.4 | 0.0 |
| FIXED: | 2.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| TOTAL: | 49.7 | 9.0 | 23.3 | 9.8 | 4.2 | 27.7 | 31.4 | 4.9 | 22.4 | 0.0 |
| SUB TOTAL: | | | | | | | | | | |
| VARIABLE: | 2750.1 | 592.5 | 1309.3 | 652.8 | 285.4 | 1878.2 | 1600.1 | 253.5 | 1204.8 | 0.0 |
| FIXED: | 1184.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| TOTAL: | 3934.1 | 592.5 | 1309.3 | 652.8 | 285.4 | 1878.2 | 1600.1 | 253.5 | 1204.8 | 0.0 |

COST S. 'AR 'OR : EXAMPLE RUN OF ARMY ENLISTED CURR OBJ FILE (ACE09CAT)
COST MATRIX MAP FOR: ARMY ENLISTED; RETIREMENT IS CURRENT TERM PAY

| COST IN MILLIONS OF DOLLARS | | | | | | | | | | | | |
|-----------------------------|--------|-------|--------|-------|-------|--------|--------|-------|--------|------|------|---------|
| | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | NONE | NONE | TOTAL |
| RET. OPTIONS: | | | | | | | | | | | | |
| OPTION 1: | 803.5 | 216.7 | 359.3 | 180.2 | 115.6 | 791.1 | 404.5 | 71.3 | 329.0 | 0.0 | 0.0 | 0.0 |
| FIXED: | 138.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| TOTAL: | 941.5 | 216.7 | 359.3 | 180.2 | 115.5 | 791.1 | 404.5 | 71.3 | 329.0 | 0.0 | 0.0 | 0.0 |
| *GRAND TOTAL* | 4875.7 | 809.1 | 1668.7 | 833.0 | 401.0 | 2669.3 | 2004.6 | 324.9 | 1533.8 | 0.0 | 0.0 | 15120.1 |
| OPTION 2: | 730.7 | 197.3 | 327.0 | 164.0 | 105.3 | 718.3 | 368.5 | 65.0 | 299.4 | 0.0 | 0.0 | 0.0 |
| FIXED: | 138.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| TOTAL: | 868.7 | 197.3 | 327.0 | 164.0 | 105.3 | 718.3 | 368.5 | 65.0 | 299.4 | 0.0 | 0.0 | 0.0 |
| *GRAND TOTAL* | 4802.8 | 789.8 | 1636.3 | 816.8 | 390.6 | 2596.5 | 1968.6 | 318.5 | 1504.2 | 0.0 | 0.0 | 2975.4 |
| OPTION 3: | 640.4 | 170.2 | 284.9 | 143.5 | 91.8 | 627.4 | 323.0 | 57.6 | 263.0 | 0.0 | 0.0 | 0.0 |
| FIXED: | 138.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| TOTAL: | 778.4 | 170.2 | 284.9 | 143.5 | 91.8 | 627.4 | 323.0 | 57.6 | 263.0 | 0.0 | 0.0 | 0.0 |
| *GRAND TOTAL* | 4712.5 | 762.7 | 1594.2 | 796.3 | 377.1 | 2505.5 | 1923.1 | 311.1 | 1467.8 | 0.0 | 0.0 | 3113.4 |
| OPTION 4: | 595.3 | 156.7 | 263.9 | 133.2 | 85.0 | 581.9 | 300.3 | 53.9 | 244.8 | 0.0 | 0.0 | 0.0 |
| FIXED: | 138.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| TOTAL: | 733.3 | 156.7 | 263.9 | 133.2 | 85.0 | 581.9 | 300.3 | 53.9 | 244.8 | 0.0 | 0.0 | 0.0 |
| *GRAND TOTAL* | 4667.5 | 749.2 | 1573.2 | 786.0 | 370.4 | 2460.1 | 1900.4 | 307.4 | 1449.6 | 0.0 | 0.0 | 14824.1 |
| OPTION 5: | 550.2 | 143.1 | 242.8 | 122.9 | 78.3 | 536.5 | 277.6 | 50.2 | 226.7 | 0.0 | 0.0 | 0.0 |
| FIXED: | 138.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| TOTAL: | 688.2 | 143.1 | 242.8 | 122.9 | 78.3 | 536.5 | 277.6 | 50.2 | 226.7 | 0.0 | 0.0 | 0.0 |
| *GRAND TOTAL* | 4622.3 | 735.6 | 1552.2 | 775.7 | 363.7 | 2414.7 | 1877.7 | 303.7 | 1431.5 | 0.0 | 0.0 | 2415.0 |
| OPTION 6: | 607.8 | 162.3 | 272.8 | 138.1 | 88.3 | 597.5 | 312.5 | 55.4 | 253.2 | 0.0 | 0.0 | 0.0 |
| FIXED: | 138.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| TOTAL: | 745.8 | 162.3 | 272.8 | 138.1 | 88.3 | 597.5 | 312.5 | 55.4 | 253.2 | 0.0 | 0.0 | 0.0 |
| *GRAND TOTAL* | 4679.9 | 754.8 | 1582.1 | 790.9 | 373.6 | 2475.7 | 1912.6 | 309.0 | 1458.0 | 0.0 | 0.0 | 2625.9 |
| OPTION 7: | 546.6 | 144.8 | 245.8 | 125.1 | 79.9 | 537.6 | 284.6 | 50.7 | 230.2 | 0.0 | 0.0 | 0.0 |
| FIXED: | 138.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| TOTAL: | 684.6 | 144.8 | 245.8 | 125.1 | 79.9 | 537.6 | 284.6 | 50.7 | 230.2 | 0.0 | 0.0 | 0.0 |
| *GRAND TOTAL* | 4619.7 | 737.3 | 1555.1 | 777.9 | 365.2 | 2415.8 | 1884.7 | 304.2 | 1435.0 | 0.0 | 0.0 | 2245.3 |
| OPTION 8: | 485.4 | 127.4 | 218.8 | 112.2 | 71.5 | 477.7 | 256.8 | 46.0 | 207.3 | 0.0 | 0.0 | 0.0 |
| FIXED: | 138.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| TOTAL: | 623.4 | 127.4 | 218.8 | 112.2 | 71.5 | 477.7 | 256.8 | 46.0 | 207.3 | 0.0 | 0.0 | 0.0 |
| *GRAND TOTAL* | 4557.5 | 719.8 | 1528.1 | 765.0 | 356.8 | 2355.9 | 1856.9 | 299.5 | 1412.1 | 0.0 | 0.0 | 2383.3 |
| OPTION 9: | 578.9 | 156.5 | 256.7 | 127.0 | 82.0 | 571.7 | 282.3 | 49.3 | 231.5 | 0.0 | 0.0 | 0.0 |
| FIXED: | 138.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| TOTAL: | 716.9 | 156.5 | 256.7 | 127.0 | 82.0 | 571.7 | 282.3 | 49.3 | 231.5 | 0.0 | 0.0 | 0.0 |
| *GRAND TOTAL* | 4651.1 | 748.9 | 1566.0 | 779.8 | 367.3 | 2449.9 | 1882.4 | 302.8 | 1436.3 | 0.0 | 0.0 | 2140.9 |
| OPTION 10: | 612.4 | 165.6 | 272.2 | 135.1 | 87.1 | 604.3 | 301.1 | 52.7 | 246.3 | 0.0 | 0.0 | 0.0 |
| FIXED: | 138.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| TOTAL: | 750.4 | 165.6 | 272.2 | 135.1 | 87.1 | 604.3 | 301.1 | 52.7 | 246.3 | 0.0 | 0.0 | 0.0 |
| *GRAND TOTAL* | 4684.5 | 758.0 | 1581.5 | 787.9 | 372.4 | 2462.5 | 1901.1 | 306.2 | 1451.1 | 0.0 | 0.0 | 2476.7 |
| OPTION 11: | 649.3 | 175.6 | 289.3 | 144.1 | 92.8 | 640.1 | 321.9 | 56.4 | 262.8 | 0.0 | 0.0 | 0.0 |
| FIXED: | 138.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| TOTAL: | 787.3 | 175.6 | 289.3 | 144.1 | 92.8 | 640.1 | 321.9 | 56.4 | 262.8 | 0.0 | 0.0 | 0.0 |
| *GRAND TOTAL* | | | | | | | | | | | | 2770.3 |

COST SUMMARY FOR : EXAMPLE RUN OF ARMY ENLISTED CURR OBJ FILE (ACE09CAT)
COST MATRIX MAP FOR: ARMY ENLISTED; RETIREMENT IS CURRENT TERM PAY

| COST IN MILLIONS OF DOLLARS | | | | | | | | | | | | | |
|-----------------------------|--------|-------|--------|-------|-------|--------|--------|-------|--------|------|------|------|-------------|
| 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | NONE | NONE | NONE | NONE | TOTAL |
| GAIN COSTS: | | | | | | | | | | | | | |
| VARIABLE: | | | | | | | | | | | | | |
| 26 GAIN AQ: | 124.3 | 23.8 | 59.3 | 26.1 | 10.2 | 67.9 | 84.3 | 12.3 | 61.4 | 0.0 | 0.0 | 0.0 | 0.0 469.6 |
| 27 GAIN IST: | 118.5 | 20.9 | 57.3 | 29.6 | 9.0 | 55.2 | 68.4 | 10.0 | 49.8 | 0.0 | 0.0 | 0.0 | 0.0 448.7 |
| 28 GAIN BNS: | 103.0 | 1.2 | 34.6 | 0.0 | 1.7 | 0.1 | 2.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 143.1 |
| 53 FGT TRNG: | 479.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 478.0 |
| TOTAL: | 823.8 | 45.9 | 151.3 | 85.7 | 20.8 | 123.2 | 155.2 | 22.3 | 111.2 | 0.0 | 0.0 | 0.0 | 0.0 1539.4 |
| MAINT. COSTS: | | | | | | | | | | | | | |
| VARIABLE: | | | | | | | | | | | | | |
| 01 BASE PAY: | 1704.0 | 397.1 | 827.1 | 410.7 | 190.1 | 1246.0 | 1042.4 | 167.6 | 795.1 | 0.0 | 0.0 | 0.0 | 0.0 6819.9 |
| 02 BAQ : | 199.9 | 48.3 | 98.5 | 50.0 | 23.6 | 158.0 | 120.7 | 19.7 | 92.7 | 0.0 | 0.0 | 0.0 | 0.0 811.4 |
| 03 BAS : | 222.7 | 49.2 | 108.2 | 52.7 | 23.2 | 155.4 | 141.5 | 22.4 | 106.1 | 0.0 | 0.0 | 0.0 | 0.0 881.3 |
| 04 FICA : | 113.9 | 26.5 | 55.3 | 27.5 | 12.7 | 86.0 | 69.7 | 11.2 | 53.1 | 0.0 | 0.0 | 0.0 | 0.0 455.9 |
| 05 VHA : | 34.1 | 8.5 | 16.8 | 8.5 | 4.1 | 28.1 | 20.2 | 3.3 | 15.5 | 0.0 | 0.0 | 0.0 | 0.0 139.2 |
| 07 CLTHG MT: | 18.0 | 4.1 | 8.8 | 4.4 | 2.0 | 13.2 | 11.2 | 1.8 | 8.5 | 0.0 | 0.0 | 0.0 | 0.0 71.9 |
| 42 FM1 PCS : | 514.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 514.2 |
| 43 FM2 STOR: | 17.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 17.3 |
| 44 FM3 OSA : | 86.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 86.0 |
| 45 FM4 FSA : | 20.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 20.5 |
| 46 FM5 CLTH: | 6.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 6.8 |
| TOTAL: | 2937.4 | 533.8 | 1114.6 | 553.7 | 255.6 | 1726.6 | 1405.7 | 226.0 | 1070.9 | 0.0 | 0.0 | 0.0 | 0.0 9824.3 |
| S & I COSTS: | | | | | | | | | | | | | |
| VARIABLE: | | | | | | | | | | | | | |
| 37 S&I SRB : | 64.5 | 3.8 | 20.2 | 3.5 | 4.7 | 0.7 | 7.9 | 0.3 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 105.8 |
| 57 FST MISC: | 58.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 58.8 |
| TOTAL: | 123.3 | 3.8 | 20.2 | 3.5 | 4.7 | 0.7 | 7.9 | 0.3 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 164.6 |
| LOSS COSTS: | | | | | | | | | | | | | |
| VARIABLE: | | | | | | | | | | | | | |
| 13 TERM LV : | 22.1 | 4.4 | 10.6 | 4.7 | 2.0 | 13.7 | 14.1 | 2.2 | 10.5 | 0.0 | 0.0 | 0.0 | 0.0 84.3 |
| 14 PCS-SEPM: | 22.3 | 4.2 | 10.6 | 4.6 | 1.8 | 12.1 | 15.1 | 2.2 | 11.0 | 0.0 | 0.0 | 0.0 | 0.0 83.9 |
| 17 DEATH : | 1.0 | 0.2 | 0.4 | 0.1 | 0.1 | 0.5 | 0.8 | 0.1 | 0.5 | 0.0 | 0.0 | 0.0 | 0.0 3.6 |
| 22 OTH-DIS : | 1.9 | 0.2 | 1.7 | 0.5 | 0.3 | 1.4 | 1.4 | 0.4 | 0.5 | 0.0 | 0.0 | 0.0 | 0.0 8.2 |
| 47 FLT MISC: | 2.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 2.4 |
| TOTAL: | 49.7 | 9.0 | 23.3 | 9.8 | 4.2 | 27.7 | 31.4 | 4.9 | 22.4 | 0.0 | 0.0 | 0.0 | 0.0 182.3 |
| SUB TOTAL: | 3934.1 | 592.5 | 1309.3 | 652.8 | 285.4 | 1878.2 | 1600.1 | 253.5 | 1264.8 | 0.0 | 0.0 | 0.0 | 0.0 11710.7 |

COST SUMMARY FOR : EXAMPLE RUN OF ARMY & LISTED CURR OBJ FILE (ACE09CAT)
COST MATRIX MAP FOR: ARMY ENLISTED RETIREMENT IS CURRENT TERM PAY

COST IN MILLIONS OF DOLLARS

| | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | NONE | NONE | NONE | NONE | TOTAL |
|---------------|--------|-------|--------|-------|-------|--------|--------|-------|--------|------|------|------|------|---------|
| OPTION 1: | | | | | | | | | | | | | | |
| 15 SBP-DIC : | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 18 RET-DIS : | 130.4 | 28.6 | 62.8 | 38.2 | 23.5 | 131.9 | 99.0 | 19.3 | 77.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 19 RET-NDIS : | 673.1 | 192.1 | 296.6 | 142.0 | 92.1 | 659.2 | 305.5 | 52.0 | 251.7 | 0.0 | 0.0 | 0.0 | 0.0 | 607.0 |
| 20 SBP-ACT : | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2664.4 |
| 21 SBP-TII : | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 24 VESTING : | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 25 TITLE 3 : | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 62 FR1 TIII : | 46.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 46.9 |
| 63 FR2 SBP : | 91.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 91.1 |
| TOTAL : | 941.5 | 216.7 | 359.3 | 180.2 | 115.6 | 791.1 | 404.5 | 71.3 | 329.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3409.4 |
| *GRAND TOTAL* | 4675.7 | 809.1 | 1668.7 | 833.0 | 401.0 | 2669.3 | 2004.6 | 324.9 | 1533.8 | 0.0 | 0.0 | 0.0 | 0.0 | 15120.1 |
| OPTION 2: | | | | | | | | | | | | | | |
| 15 SBP-DIC : | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 18 RET-DIS : | 119.1 | 22.4 | 56.9 | 34.7 | 21.3 | 119.3 | 89.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 19 RET-NDIS : | 611.6 | 174.9 | 270.0 | 129.4 | 84.0 | 599.0 | 278.5 | 47.5 | 229.3 | 0.0 | 0.0 | 0.0 | 0.0 | 551.1 |
| 20 SBP-ACT : | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2424.3 |
| 21 SBP-TII : | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 24 VESTING : | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 25 TITLE 3 : | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 62 FR1 TIII : | 46.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 46.9 |
| 63 FR2 SBP : | 91.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 91.1 |
| TOTAL : | 868.7 | 197.3 | 327.0 | 164.0 | 105.3 | 718.3 | 368.5 | 65.0 | 299.4 | 0.0 | 0.0 | 0.0 | 0.0 | 3113.4 |
| *GRAND TOTAL* | 4802.8 | 789.8 | 1636.3 | 816.8 | 390.6 | 2596.5 | 1968.6 | 318.5 | 1504.2 | 0.0 | 0.0 | 0.0 | 0.0 | 14824.1 |
| OPTION 3: | | | | | | | | | | | | | | |
| 15 SBP-DIC : | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 18 RET-DIS : | 118.9 | 22.4 | 56.9 | 34.7 | 21.3 | 119.0 | 89.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 19 RET-NDIS : | 521.5 | 147.8 | 228.0 | 108.8 | 70.6 | 508.4 | 233.3 | 40.1 | 193.1 | 0.0 | 0.0 | 0.0 | 0.0 | 549.9 |
| 20 SBP-ACT : | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2051.7 |
| 21 SBP-TII : | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 24 VESTING : | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 25 TITLE 3 : | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 62 FR1 TIII : | 46.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 46.9 |
| 63 FR2 SBP : | 91.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 91.1 |
| TOTAL : | 778.4 | 170.2 | 284.9 | 143.5 | 91.8 | 627.4 | 323.0 | 57.6 | 263.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2739.6 |
| *GRAND TOTAL* | 4712.5 | 762.7 | 1594.2 | 796.3 | 377.1 | 2505.5 | 1923.1 | 311.1 | 1467.8 | 0.0 | 0.0 | 0.0 | 0.0 | 14450.3 |

COST SUMMARY FOR : EXAMPLE RUN OF ARMY ENLISTED CURR OBJ FILE (ACE09CAT)
COST MATRIX MAP FOR: ARMY ENLISTED, RETIREMENT IS CURRENT TERM PAY

COST IN MILLIONS OF DOLLARS

| | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | NONE | NONE | NONE | NONE | TOTAL |
|---------------|--------|-------|--------|-------|-------|--------|--------|-------|--------|------|------|------|------|---------|
| OPTION 4: | | | | | | | | | | | | | | |
| 15 SBP-DIC : | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 18 RET-DIS : | 118.8 | 22.4 | 56.9 | 34.7 | 21.1 | 118.8 | 89.6 | 17.5 | 69.8 | 0.0 | 0.0 | 0.0 | 0.0 | 549.6 |
| 19 RET-NDIS : | 476.5 | 134.3 | 207.0 | 98.5 | 64.0 | 463.1 | 210.6 | 36.4 | 175.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1865.4 |
| 20 SBP-ACT : | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 21 SBP-III : | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 24 VESTING : | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 25 TITLE 3 : | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 62 FR1 TIII : | 46.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 46.9 |
| 63 FR2 SBP : | 91.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 91.1 |
| TOTAL : | 733.3 | 155.7 | 263.9 | 133.2 | 85.0 | 581.9 | 303.3 | 53.9 | 244.8 | 0.0 | 0.0 | 0.0 | 0.0 | 2553.0 |
| *GRAND TOTAL* | 4667.5 | 749.2 | 1573.2 | 786.0 | 370.4 | 2460.1 | 1900.4 | 307.4 | 1449.6 | 0.0 | 0.0 | 0.0 | 0.0 | 14263.7 |
| OPTION 5: | | | | | | | | | | | | | | |
| 15 SBP-DIC : | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 18 RET-DIS : | 118.7 | 22.4 | 56.8 | 34.6 | 21.1 | 118.7 | 89.6 | 17.5 | 69.8 | 0.0 | 0.0 | 0.0 | 0.0 | 549.2 |
| 19 RET-NDIS : | 431.5 | 120.7 | 186.0 | 88.2 | 57.3 | 417.8 | 188.0 | 32.7 | 156.9 | 0.0 | 0.0 | 0.0 | 0.0 | 1679.1 |
| 20 SBP-ACT : | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 21 SBP-III : | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 24 VESTING : | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 25 TITLE 3 : | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 62 FR1 TIII : | 46.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 46.9 |
| 63 FR2 SBP : | 91.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 91.1 |
| TOTAL : | 688.2 | 143.1 | 242.8 | 122.9 | 78.3 | 536.5 | 277.6 | 50.2 | 226.7 | 0.0 | 0.0 | 0.0 | 0.0 | 2366.3 |
| *GRAND TOTAL* | 4622.3 | 735.6 | 1552.2 | 775.7 | 363.7 | 2414.7 | 1877.7 | 303.7 | 1431.5 | 0.0 | 0.0 | 0.0 | 0.0 | 14077.0 |
| OPTION 6: | | | | | | | | | | | | | | |
| 15 SBP-DIC : | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 18 RET-DIS : | 118.5 | 22.4 | 56.8 | 34.6 | 21.1 | 118.3 | 89.6 | 17.5 | 69.7 | 0.0 | 0.0 | 0.0 | 0.0 | 548.4 |
| 19 RET-NDIS : | 489.3 | 139.9 | 216.0 | 103.5 | 67.2 | 479.2 | 222.9 | 38.0 | 183.5 | 0.0 | 0.0 | 0.0 | 0.0 | 1939.5 |
| 20 SBP-ACT : | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 21 SBP-III : | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 24 VESTING : | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 25 TITLE 3 : | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 62 FR1 TIII : | 46.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 46.9 |
| 63 FR2 SBP : | 91.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 91.1 |
| TOTAL : | 745.8 | 162.3 | 272.8 | 138.1 | 88.3 | 597.5 | 312.5 | 55.4 | 253.2 | 0.0 | 0.0 | 0.0 | 0.0 | 2625.9 |
| *GRAND TOTAL* | 4679.9 | 754.0 | 1582.1 | 790.9 | 373.6 | 2475.7 | 1912.6 | 309.0 | 1458.0 | 0.0 | 0.0 | 0.0 | 0.0 | 14336.6 |

COST IN MILLIONS OF DOLLARS

| COST IN MILLIONS OF DOLLARS | | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | NONE | NONE | NONE | NONE | TOTAL |
|-----------------------------|--------|-------|--------|-------|-------|--------|--------|-------|--------|------|------|------|------|---------|
| OPTION 7: | | | | | | | | | | | | | | |
| 15 SBP-DIC : | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 18 RET-DIS : | 118.4 | 22.4 | 56.8 | 34.6 | 21.1 | 118.3 | 89.6 | 17.5 | 69.7 | 0.0 | 0.0 | 0.0 | 0.0 | 548.3 |
| 19 RET-NDIS : | 428.1 | 122.4 | 189.0 | 90.5 | 58.8 | 419.5 | 195.0 | 33.2 | 160.5 | 0.0 | 0.0 | 0.0 | 0.0 | 1697.0 |
| 20 SBP-ACT : | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 21 SBP-T11 : | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 24 VESTING : | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 25 TITLE 3 : | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 62 FR1 T111 : | 46.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 46.9 |
| 63 FR2 SBP : | 91.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 91.1 |
| TOTAL : | 684.6 | 144.8 | 245.8 | 125.1 | 79.9 | 537.6 | 284.6 | 50.7 | 230.2 | 0.0 | 0.0 | 0.0 | 0.0 | 2383.3 |
| GRAND TOTAL* | 4618.7 | 737.3 | 1555.1 | 777.9 | 365.2 | 2415.8 | 1884.7 | 304.2 | 1435.0 | 0.0 | 0.0 | 0.0 | 0.0 | 14093.9 |

OPTION 8:

[illegible]

OPTION 9:

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| 18 RET-DIS : | 84.4 | 15.7 | 41.0 | 24.7 | 15.4 | 88.9 | 64.2 | 12.0 | 50.5 | 0.0 | 0.0 | 0.0 | 0.0 | 396.9 |
| 19 RET-NDIS : | 527.9 | 149.8 | 231.2 | 110.4 | 71.7 | 515.4 | 236.8 | 40.7 | 195.8 | 0.0 | 0.0 | 0.0 | 0.0 | 2079.7 |
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| 24 VESTING : | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 25 TITLE 3 : | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 62 FR1 TIT1 : | 46.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 46.9 |
| 63 FR2 SBP : | 91.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 91.1 |
| TOTAL : | 750.4 | 165.6 | 272.2 | 135.1 | 87.1 | 604.3 | 301.1 | 52.7 | 246.3 | 0.0 | 0.0 | 0.0 | 0.0 | 2614.7 |
| *GRAND TOTAL* | 4684.5 | 758.0 | 1581.5 | 787.9 | 372.4 | 2482.5 | 1901.1 | 306.2 | 1451.1 | 0.0 | 0.0 | 0.0 | 0.0 | 14325.3 |

OPTION 11:

| | | | | | | | | | | | | | | |
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| 15 SBP-DIC : | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 18 RET-DIS : | 94.5 | 17.7 | 45.7 | 27.6 | 17.1 | 97.9 | 71.7 | 13.6 | 56.2 | 0.0 | 0.0 | 0.0 | 0.0 | 442.1 |
| 19 RET-NDIS : | 554.8 | 157.9 | 243.7 | 116.4 | 75.6 | 542.2 | 250.2 | 42.8 | 206.6 | 0.0 | 0.0 | 0.0 | 0.0 | 2190.3 |
| 20 SBP-ACT : | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 21 SBP-TIT : | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 24 VESTING : | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 25 TITLE 3 : | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 62 FR1 TIT1 : | 46.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 46.9 |
| 63 FR2 SBP : | 91.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 91.1 |
| TOTAL : | 787.3 | 175.6 | 289.3 | 144.1 | 92.8 | 640.1 | 321.9 | 56.4 | 262.8 | 0.0 | 0.0 | 0.0 | 0.0 | 2770.3 |
| *GRAND TOTAL* | 4721.4 | 768.0 | 1598.6 | 796.9 | 378.1 | 2518.3 | 1922.0 | 310.0 | 1467.6 | 0.0 | 0.0 | 0.0 | 0.0 | 14481.0 |

OPTION 12:

| | | | | | | | | | | | | | | |
|---------------|--------|-------|--------|-------|-------|--------|--------|-------|--------|-----|-----|-----|-----|---------|
| 15 SBP-DIC : | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 18 RET-DIS : | 67.0 | 12.5 | 32.5 | 19.6 | 12.2 | 70.1 | 50.9 | 9.6 | 40.0 | 0.0 | 0.0 | 0.0 | 0.0 | 314.3 |
| 19 RET-NDIS : | 407.1 | 115.8 | 178.6 | 85.3 | 55.4 | 397.7 | 183.3 | 31.4 | 151.4 | 0.0 | 0.0 | 0.0 | 0.0 | 1606.0 |
| 20 SBP-ACT : | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 21 SBP-TIT : | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 24 VESTING : | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 25 TITLE 3 : | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 62 FR1 TIT1 : | 46.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 46.9 |
| 63 FR2 SBP : | 91.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 91.1 |
| TOTAL : | 612.1 | 128.3 | 211.1 | 104.9 | 67.6 | 467.8 | 234.2 | 41.0 | 191.4 | 0.0 | 0.0 | 0.0 | 0.0 | 2058.3 |
| *GRAND TOTAL* | 4546.2 | 720.7 | 1520.4 | 757.7 | 353.0 | 2345.9 | 1834.3 | 294.5 | 1396.2 | 0.0 | 0.0 | 0.0 | 0.0 | 13769.0 |

COST SUMMARY FOR : EXAMPLE RUN OF ARMY ENLISTED CURR OBJ FILE (ACE09CAT)
COST MATRIX MAP FOR: ARMY ENLISTED; RETIREMENT IS CURRENT TERM PAY

COST IN MILLIONS OF DOLLARS

| | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | NONE | NONE | NONE | NONE | TOTAL |
|-------------------|--------|-------|--------|-------|-------|--------|--------|-------|--------|------|------|------|------|---------|
| OPTION 13: | | | | | | | | | | | | | | |
| 15 SBP-DIC : | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 16 RET-DIS : | 76.4 | 14.3 | 36.9 | 22.3 | 13.8 | 79.2 | 58.0 | 11.0 | 45.5 | 0.0 | 0.0 | 0.0 | 0.0 | 357.5 |
| 19 RET-NDIS : | 448.9 | 127.8 | 197.2 | 94.3 | 61.2 | 438.7 | 202.6 | 34.7 | 167.2 | 0.0 | 0.0 | 0.0 | 0.0 | 1772.7 |
| 20 SBP-ACT : | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 21 SBP-TITLE : | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 24 VESTING : | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 25 TITLE 3 : | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 62 FR1 TITL : | 46.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 46.9 |
| 63 FR2 SBP : | 91.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 91.1 |
| TOTAL : | 663.3 | 142.1 | 234.1 | 116.6 | 75.1 | 518.0 | 260.6 | 45.7 | 212.7 | 0.0 | 0.0 | 0.0 | 0.0 | 2268.2 |
| *GRAND TOTAL* | 4597.4 | 734.6 | 1543.5 | 769.4 | 360.4 | 2396.2 | 1860.7 | 299.2 | 1417.5 | 0.0 | 0.0 | 0.0 | 0.0 | 13978.9 |
| OPTION 14: | | | | | | | | | | | | | | |
| 15 SBP-DIC : | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 18 RET-DIS : | 88.1 | 16.5 | 42.4 | 25.7 | 15.9 | 90.4 | 66.8 | 12.8 | 52.3 | 0.0 | 0.0 | 0.0 | 0.0 | 410.9 |
| 19 RET-NDIS : | 497.3 | 141.8 | 218.8 | 104.7 | 68.0 | 486.3 | 225.1 | 38.5 | 185.7 | 0.0 | 0.0 | 0.0 | 0.0 | 1966.2 |
| 20 SBP-ACT : | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 21 SBP-TITLE : | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 24 VESTING : | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 25 TITLE 3 : | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 62 FR1 TITL : | 46.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 46.9 |
| 63 FR2 SBP : | 91.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 91.1 |
| TOTAL : | 723.4 | 158.3 | 261.3 | 130.4 | 83.9 | 576.8 | 291.9 | 51.2 | 237.9 | 0.0 | 0.0 | 0.0 | 0.0 | 2515.1 |
| *GRAND TOTAL* | 4657.5 | 750.8 | 1570.6 | 783.2 | 369.2 | 2455.0 | 1892.0 | 304.8 | 1442.7 | 0.0 | 0.0 | 0.0 | 0.0 | 14225.7 |
| OPTION 15: | | | | | | | | | | | | | | |
| 15 SBP-DIC : | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 18 RET-DIS : | 94.5 | 17.7 | 45.5 | 27.6 | 17.0 | 95.5 | 71.6 | 13.7 | 56.0 | 0.0 | 0.0 | 0.0 | 0.0 | 439.9 |
| 19 RET-NDIS : | 522.4 | 149.1 | 230.0 | 110.1 | 71.5 | 511.0 | 236.8 | 40.4 | 195.2 | 0.0 | 0.0 | 0.0 | 0.0 | 2066.5 |
| 20 SBP-ACT : | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 21 SBP-TITLE : | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 24 VESTING : | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 25 TITLE 3 : | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 62 FR1 TITL : | 46.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 46.9 |
| 63 FR2 SBP : | 91.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 91.1 |
| TOTAL : | 754.8 | 166.8 | 275.5 | 137.7 | 88.5 | 607.5 | 308.4 | 54.2 | 251.2 | 0.0 | 0.0 | 0.0 | 0.0 | 2634.5 |
| *GRAND TOTAL* | 4689.0 | 759.2 | 1584.8 | 790.5 | 373.9 | 2485.7 | 1908.5 | 307.7 | 1456.0 | 0.0 | 0.0 | 0.0 | 0.0 | 14355.2 |

FILE: RUNCFB EXEC A
PAGE 001

VM/SP CONVERSATIONAL MONITOR SYSTEM

&CONTROL ERROR

GLOBAL TXTLIB FORTMOD1

EXEC FORTGI &1 (LOAD NAME(&1) NOMAP NOPRINT

FILEDEF FT02F001 PRINTER (RECFM FA LRECL 132 BLKSIZE 133 PERM

*FILEDEF FT06F001 DISK SIMENL DATA A (RECFM FB LRECL 132 BLKSIZE 132)

FILEDEF FT10F001 DISK PF10 CFCDATA7 A (RECFM FB LRECL 132 BLKSIZE 132)

FILEDEF FT11F001 DISK PF11 CFCDATA7 A (RECFM FB LRECL 132 BLKSIZE 132)

FILEDEF FT12F001 DISK PF12 CFCDATA7 A (RECFM FB LRECL 132 BLKSIZE 132)

FILEDEF FT13F001 DISK PF13 CFCDATA7 A (RECFM FB LRECL 132 BLKSIZE 132)

FILEDEF FT14F001 DISK PF14 CFCDATA7 A (RECFM FB LRECL 132 BLKSIZE 132)

FILEDEF FT15F001 DISK PF15 CFCDATA7 A (RECFM FB LRECL 132 BLKSIZE 132)

FILEDEF FT16F001 DISK PF16 CFCDATA7 A (RECFM FB LRECL 132 BLKSIZE 132)

FILEDEF FT17F001 DISK PF17 CFCDATA7 A (RECFM FB LRECL 132 BLKSIZE 132)

FILEDEF FT18F001 DISK PF18 CFCDATA7 A (RECFM FB LRECL 132 BLKSIZE 132)

FILEDEF FT19F001 DISK PF19 CFCDATA7 A (RECFM FB LRECL 132 BLKSIZE 132)

FILEDEF FT20F001 DISK PF20 CFCDATA7 A (RECFM FB LRECL 132 BLKSIZE 132)

FILEDEF FT21F001 DISK PF21 CFCDATA7 A (RECFM FB LRECL 132 BLKSIZE 132)

FILEDEF FT22F001 DISK PF22 CFCDATA7 A (RECFM FB LRECL 132 BLKSIZE 132)

FILEDEF FT23F001 DISK PF23 CFCDATA7 A (RECFM FB LRECL 132 BLKSIZE 132)

FILEDEF FT24F001 DISK PF24 CFCDATA7 A (RECFM FB LRECL 132 BLKSIZE 132)

FILEDEF FT25F001 DISK PF25 CFCDATA7 A (RECFM FB LRECL 132 BLKSIZE 132)

FILEDEF FT26F001 DISK PF26 CFCDATA7 A (RECFM FB LRECL 132 BLKSIZE 132)

FILEDEF FT27F001 DISK PF27 CFCDATA7 A (RECFM FB LRECL 132 BLKSIZE 132)

FILEDEF FT28F001 DISK PF28 CFCDATA7 A (RECFM FB LRECL 132 BLKSIZE 132)

FILEDEF FT29F001 DISK PF29 CFCDATA7 A (RECFM FB LRECL 132 BLKSIZE 132)

FILEDEF FT30F001 DISK PF30 CFCDATA7 A (RECFM FB LRECL 132 BLKSIZE 132)

FILEDEF FT31F001 DISK PF31 CFCDATA7 A (RECFM FB LRECL 132 BLKSIZE 132)

FILEDEF FT32F001 DISK PF32 CFCDATA7 A (RECFM FB LRECL 132 BLKSIZE 132)

FILEDEF FT33F001 DISK PF33 CFCDATA7 A (RECFM FB LRECL 132 BLKSIZE 132)

FILEDEF FT34F001 DISK PF34 CFCDATA7 A (RECFM FB LRECL 132 BLKSIZE 132)

FILEDEF FT35F001 DISK PF35 CFCDATA7 A (RECFM FB LRECL 132 BLKSIZE 132)

FILEDEF FT36F001 DISK PF36 CFCDATA7 A (RECFM FB LRECL 132 BLKSIZE 132)

FILEDEF FT37F001 DISK PF37 CFCDATA7 A (RECFM FB LRECL 132 BLKSIZE 132)

FILEDEF FT38F001 DISK PF38 CFCDATA7 A (RECFM FB LRECL 132 BLKSIZE 132)

FILEDEF FT39F001 DISK PF39 CFCDATA7 A (RECFM FB LRECL 132 BLKSIZE 132)

FILEDEF FT40F001 DISK PF40 CFCDATA7 A (RECFM FB LRECL 132 BLKSIZE 132)

FILEDEF FT41F001 DISK PF41 CFCDATA7 A (RECFM FB LRECL 132 BLKSIZE 132)

FILEDEF FT42F001 DISK PF42 CFCDATA7 A (RECFM FB LRECL 132 BLKSIZE 132)

FILEDEF FT43F001 DISK PF43 CFCDATA7 A (RECFM FB LRECL 132 BLKSIZE 132)

FILEDEF FT44F001 DISK PF44 CFCDATA7 A (RECFM FB LRECL 132 BLKSIZE 132)

FILEDEF FT45F001 DISK PF45 CFCDATA7 A (RECFM FB LRECL 132 BLKSIZE 132)

FILEDEF FT46F001 DISK PF46 CFCDATA7 A (RECFM FB LRECL 132 BLKSIZE 132)

FILEDEF FT47F001 DISK PF47 CFCDATA7 A (RECFM FB LRECL 132 BLKSIZE 132)

FILEDEF FT48F001 DISK PF48 CFCDATA7 A (RECFM FB LRECL 132 BLKSIZE 132)

FILEDEF FT49F001 DISK PF49 CFCDATA7 A (RECFM FB LRECL 132 BLKSIZE 132)

LOAD &1

FILE: RUNCFC EXEC A
PAGE 002

VM/SP CONVERSATIONAL MONITOR SYSTEM

START &1
*FILEDEF * CLEAR
&EXIT

| | | |
|---|--|----------|
| C | ***** DOPMS COST FILE CREATOR --- WRITTEN IN FORTRAN IV***** | RET00010 |
| C | ***** CONVERTED JAN 1983 ***** | RET00020 |
| C | | RET00030 |
| C | SPECIFICATION STATEMENTS***** | RET00040 |
| | DIMENSION TABLE(35,10),T1(35,10),T2(35,10) | RET00050 |
| | DIMENSION LABEL(17) | RET00060 |
| | REAL HXRF(3,35,10) | RET00070 |
| | REAL BON20,BON22,BON26 | RET00080 |
| | INTEGER E1,E2,SSAGE,YRFREE | RET00090 |
| | INTEGER EADAGE,FULAGE,MAXAGE,IMAGE,GRADE,YOS | RET00100 |
| | INTEGER AGE(100),SVC(100) | RET00110 |
| | INTEGER FILE1, FILE2 | RET00120 |
| | REAL BP,HOLD1,HOLD2,P1,MCE,AMCE,MOAMCE,PIA | RET00130 |
| | REAL RPI, WGR, MAXRM, INCR, REDMLT,MINRM | RET00140 |
| | REAL BASE(35,10), DEATH(110), EL(35,10) | RET00150 |
| | REAL POP (100),DR(100),WGF(100),PR(100),MULT(100),IRPR(100) | RET00160 |
| | REAL RPIF(100),CRPR(100),SSD(100),NPR(100),COST(100) | RET00170 |
| | INTEGER ANSWER,NO,YES,OPTION,RETOPT | RET00180 |
| | INTEGER FIRST,LAST,OFFSET,INDEX(110),RETAGE | RET00190 |
| | REAL RATE(110),INTR | RET00200 |
| | INTEGER EAGE(3),FILENR(3,5),HYT(10,3),EXGRD(3,3),EXYOS(3,3) | RET00210 |
| | INTEGER COMM(3),ROPT(4),CFLAB | RET00220 |
| | INTEGER Y | RET00230 |
| | REAL RPB(100),RPGF(100),CRPB(100),CM(100),FM(100),BM(100) | RET00240 |
| | REAL DECR1(100),DECR2(100),CA(100),NA(100),SS(100),SBP(100) | RET00250 |
| | REAL MISC(100),MY(100) | RET00260 |
| | REAL FACTOR,RPGF1,RPGF2,COLA,WGR,RPBASE,SUMM,BAM | RET00270 |
| | INTEGER APT1,APT2,APT3,APT4,APT5 | RET00280 |
| | INTEGER AGE1,AGE2,AGE3,AGE4,AGE5 | RET00290 |
| | INTEGER BPT1,BPT2,BPT3,BPT4,BPT5,BPT6 | RET00300 |
| | REAL MAR1,MAR2,MAR3,MAR4,MAR5,MAR6 | RET00310 |
| | INTEGER RYOS,RYS(100),D1,D2 | RET00320 |
| | INTEGER PAYL(3),INDL(4) | RET00330 |
| | REAL WGR100,COL100,INT100,RGF100,RGF200 | RET00340 |
| | REAL MAR100,MAR200,MAR300,MAR400,MAR500,MAR600,MAX100,MIN100 | RET00350 |
| | INTEGER BPT2M1,BPT3M1,BPT4M1,BPT5M1,BPT6M1 | RET00360 |
| | INTEGER APT2M1,APT3M1,APT4M1,APT5M1 | RET00370 |
| | REAL D1ARG1,D2ARG1,D11,D21 | RET00380 |
| | INTEGER D12,D22,D1ARG2,D2ARG2 | RET00390 |
| | REAL NP1A(3,35),SS1,SS2,SSOSPC,SSOS,PCSS,SSMAX | RET00400 |
| C | | RET00410 |
| C | DATA STATEMENTS***** | RET00420 |
| | DATA NO/'NO'//,YES/'YES'// | RET00430 |
| C | | RET00440 |
| C | FORMAT STATEMENTS***** | RET00450 |
| 1 | FORMAT (10F12.4) | RET00460 |

| | | |
|------|--|----------|
| 9000 | FORMAT (2A4) | RET00470 |
| 9001 | FORMAT(1X,'OPTIONS ARE AS FOLLOWS:') | RET00480 |
| | *1X,'1=INITIALIZE TABLE WITH ZEROS'/ | RET00490 |
| | *1X,'2=GET A FILE FROM STORAGE'/ | RET00500 |
| | *1X,'3=GET A SECOND FILE FROM STORAGE'/ | RET00510 |
| | *1X,'4=DISPLAY CONTENTS OF CURRENT FILE'/ | RET00520 |
| | *1X,'5=PUT A FILE IN STORAGE'/ | RET00530 |
| | *1X,'6=CREATE A FILE BY YOS'/ | RET00540 |
| | *1X,'7=CREATE A FILE BY GRADE'/ | RET00550 |
| | *1X,'8=ADD TWO FILES'/ | RET00560 |
| | *1X,'9=MULTIPLY TWO FILES'/ | RET00570 |
| | *1X,'10=PUT A CAP ON A FILE'/ | RET00580 |
| | *1X,'11=PUT A FLOOR ON A FILE'/ | RET00590 |
| | *1X,'12=RETIREMENT COST FACTORS'/ | RET00600 |
| | *1X,'13=RATE VECTOR OPTION'/ | RET00610 |
| | *1X,'14=PRINT STORAGE DIRECTORY'/ | RET00620 |
| | *1X,'15=TERMINATE'// | RET00630 |
| | *1X,'OPTION DESIRED?') | RET00640 |
| 9221 | FORMAT(1X,'ENTER FILENUMBER') | RET00650 |
| 9222 | FORMAT(33A4) | RET00660 |
| 9223 | FORMAT(1X,17A4) | RET00670 |
| 9241 | FORMAT(///,1X,'YR',5X,' 1',5X,' 2',5X,' 3',5X,' 4', | RET00680 |
| | *5X,' 5',5X,' 6',5X,' 7',5X,' 8',5X,' 9',5X,'10'//) | RET00690 |
| 9242 | FORMAT(1X,I2,10F7.2) | RET00700 |
| 9251 | FORMAT(1X,'ENTER FILENUMBER') | RET00710 |
| 9252 | FORMAT (1X,'LABEL?') | RET00720 |
| 9261 | FORMAT (1X,'ENTER YEAR(0 FOR FINISHED)') | RET00730 |
| 9262 | FORMAT (1X,'YEAR=',I2,' ,RATES ARE (1-10)') | RET00740 |
| 9263 | FORMAT (1X,'DO YOU WANT TO USE ZERO FILL OPTION?') | RET00750 |
| 9271 | FORMAT (1X,'ENTER GRADE(0 FOR FINISHED)') | RET00760 |
| 9272 | FORMAT (1X,'GRADE=',I2,' ,RATES ARE (1-35)') | RET00770 |
| 9273 | FORMAT (1X,'DO YOU WANT TO USE ZERO FILL OPTION?') | RET00780 |
| 9301 | FORMAT(1X,'ENTER MAXIMUM') | RET00790 |
| 9311 | FORMAT (1X,'ENTER MINIMUM') | RET00800 |
| 9224 | FORMAT (1X,I4,2X,17A4) | RET00810 |
| 9225 | FORMAT (1X,'FILE CONTENTS OF STORAGE DIRECTORY') | RET00820 |
| C | | RET00830 |
| C | PRINT MENU***** | RET00840 |
| S | CALL DISPCL | RET00850 |
| | PRINT 9001 | RET00860 |
| | READ (5,*) OPTION | RET00870 |
| | CALL DISPCL | RET00880 |
| | IF (OPTION.GT.15.OR.OPTION.LT.1) GO TO 5 | RET00890 |
| | GO TO (21,22,23,24,25,26,27,28,29,30,31,33,34,35,32), OPTION | RET00900 |
| C | | RET00910 |
| C | INITIALIZATION ROUTINE***** | RET00920 |

| | | |
|-----|---------------------------------------|----------|
| 21 | DO 211 J=1,35 | RET00930 |
| | DO 211 K=1,10 | RET00940 |
| 211 | TABLE(J,K)=0.0 | RET00950 |
| | GO TO 5 | RET00960 |
| C | | RET00970 |
| C | READ IN A FILE FROM DISK | RET00980 |
| 22 | WRITE (6,9221) | RET00990 |
| | READ (5,*) IFILE1 | RET01000 |
| | READ (IFILE1,9222) (LABEL(I),I=1,17) | RET01010 |
| | WRITE (6,9223) (LABEL(I),I=1,17) | RET01020 |
| | PAUSE 'PRESS S/R KEY TO CONTINUE' | RET01030 |
| | DO 221 J=1,35 | RET01040 |
| 221 | READ(IFILE1,1) (TABLE(J,K),K=1,10) | RET01050 |
| | REWIND IFILE1 | RET01060 |
| | GO TO 5 | RET01070 |
| C | | RET01080 |
| C | READ IN A SECOND FILE FROM DISK | RET01090 |
| C | PUT CURRENT FILE IN ARRAY T1 | RET01100 |
| 23 | DO 231 J=1,35 | RET01110 |
| | DO 231 K=1,10 | RET01120 |
| 231 | T1(J,K)=TABLE(J,K) | RET01130 |
| | GO TO 22 | RET01140 |
| C | | RET01150 |
| C | PRINT A FILE | RET01160 |
| 24 | CALL DISPCL | RET01170 |
| | PRINT 9241 | RET01180 |
| | DO 241 J=1,35 | RET01190 |
| 241 | PRINT 9242, J, (TABLE(J,K),K=1,10) | RET01200 |
| | PAUSE 'PRESS S/R KEY TO CONTINUE' | RET01210 |
| | GO TO 5 | RET01220 |
| C | | RET01230 |
| C | WRITE THE FILE TO DISK | RET01240 |
| 25 | WRITE (6,9251) | RET01250 |
| | READ(5,*) IFILE6 | RET01260 |
| | WRITE (6,9252) | RET01270 |
| | READ (5,9222) (LABEL(I),I=1,17) | RET01280 |
| | WRITE (IFILE6,9222) (LABEL(I),I=1,17) | RET01290 |
| | DO 251 J=1,35 | RET01300 |
| 251 | WRITE (IFILE6,1) (TABLE(J,K),K=1,10) | RET01310 |
| | REWIND IFILE6 | RET01320 |
| | GO TO 5 | RET01330 |
| C | | RET01340 |
| C | CREATE A FILE BY YOS | RET01350 |
| 26 | WRITE (6,9261) | RET01360 |
| | READ (5,*)J | RET01370 |
| | IF (J.LT.0.OR.J.GT.35) GO TO 26 | RET01380 |

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| | IF (J.EQ.0) GO TO 261 | RET01390 |
| | PRINT 9262,J | RET01400 |
| | READ (5,*) (TABLE(J,K),K=1,10) | RET01410 |
| | GO TO 26 | RET01420 |
| 261 | WRITE (6,9263) | RET01430 |
| | READ (5,9000) ANSWER | RET01440 |
| | IF (ANSWER.NE.YES.AND.ANSWER.NE.NO) GO TO 261 | RET01450 |
| | IF (ANSWER.EQ.NO) GO TO 5 | RET01460 |
| | DO 262 K=1,10 | RET01470 |
| | DO 262 J=2,35 | RET01480 |
| | IF (TABLE(J,K).NE.0.0) GO TO 262 | RET01490 |
| | TABLE(J,K)=TABLE(J-1,K) | RET01500 |
| 262 | CONTINUE | RET01510 |
| | GO TO 5 | RET01520 |
| C | | RET01530 |
| C | CREATE A FILE BY GRADE***** | RET01540 |
| 27 | WRITE (6,9271) | RET01550 |
| | READ (5,*)K | RET01560 |
| | IF (K.LT.0.OR.K.GT.10) GO TO 27 | RET01570 |
| | IF (K.EQ.0) GO TO 271 | RET01580 |
| | PRINT 9272,K | RET01590 |
| | READ (5,*) (TABLE(J,K),J=1,35) | RET01600 |
| | GO TO 27 | RET01610 |
| 271 | WRITE (6,9273) | RET01620 |
| | READ (5,9000) ANSWER | RET01630 |
| | IF (ANSWER.NE.YES.AND.ANSWER.NE.NO) GO TO 271 | RET01640 |
| | IF (ANSWER.EQ.NO) GO TO 5 | RET01650 |
| | DO 272 J=1,35 | RET01660 |
| | DO 272 K=2,10 | RET01670 |
| | IF (TABLE(J,K).NE.0.0) GO TO 272 | RET01680 |
| | TABLE(J,K)=TABLE(J,K-1) | RET01690 |
| 272 | CONTINUE | RET01700 |
| | GO TO 5 | RET01710 |
| C | | RET01720 |
| C | ADD TWO FILES***** | RET01730 |
| 28 | DO 281 J=1,35 | RET01740 |
| | DO 281 K=1,10 | RET01750 |
| 281 | TABLE(J,K)=TABLE(J,K)+T1(J,K) | RET01760 |
| | GO TO 5 | RET01770 |
| C | | RET01780 |
| C | MULTIPLY TWO FILES***** | RET01790 |
| 29 | DO 291 J=1,35 | RET01800 |
| | DO 291 K=1,10 | RET01810 |
| 291 | TABLE(J,K)=TABLE(J,K)*T1(J,K) | RET01820 |
| | GO TO 5 | RET01830 |
| C | | RET01840 |

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|------|---|----------|
| C | CAP A FILE***** | RET01850 |
| 30 | WRITE (6,9301) | RET01860 |
| | READ (5,*) CCM | RET01870 |
| | DO 301 J=1,35 | RET01880 |
| | DO 301 K=1,10 | RET01890 |
| | IF (TABLE(J,K).GT.CCM) TABLE(J,K)=CCM | RET01900 |
| 301 | CONTINUE | RET01910 |
| | GO TO 5 | RET01920 |
| C | | RET01930 |
| C | FLOOR A FILE***** | RET01940 |
| 31 | WRITE (6,9311) | RET01950 |
| | READ (5,*) CCM | RET01960 |
| | DO 311 J=1,35 | RET01970 |
| | DO 311 K=1,10 | RET01980 |
| | IF (TABLE(J,K).LT.CCM) TABLE(J,K)=CCM | RET01990 |
| 311 | CONTINUE | RET02000 |
| | GO TO 5 | RET02010 |
| C | | RET02020 |
| C | THIS IS THE BEGINNING OF RETBILD3***** | RET02030 |
| | | RET02040 |
| | CONTINUE | RET02050 |
| | | RET02060 |
| C | FORMAT STATEMENTS:***** | RET02070 |
| 9333 | FORMAT(1H1,'EXAMPLE FOR GRADE G-',I2,' AND ',I2,' YOS, BP=',F5.0, | RET02080 |
| * | ' RETIREMENT OPTION=',A4,' PAY AVG OPTION=HI-',I2/ | RET02090 |
| * | ' K SV AG WGF RPB RPF CRPB RY BM DECR1', | RET02100 |
| * | ' FM DECR2 CM CA SS SBP MISC', | RET02110 |
| * | ' NA POP DR MY COST')/ | RET02120 |
| 9334 | FORMAT(1H ,2I3,I4,F6.3,F6.0,F6.2,F6.0,I3,5F6.3,6F6.0,F6.3,F6.0, | RET02130 |
| * | F9.0) | RET02140 |
| 9335 | FORMAT(//1H ,17X,'TOTAL RETIRED PAY',19X, | RET02150 |
| * | 'EXP. AVG RETIRED PAY'/ | RET02160 |
| * | 3H 1,6(5X,'G-',I1),' LIFE',3(4X,'G-',I1)) | RET02170 |
| 9336 | FORMAT(I3,6F8.0,F6.2,3F7.0) | RET02180 |
| 9337 | FORMAT(1X,'GIVE: '/ | RET02190 |
| * | 1X,'--MAXIMUM MULTIPLIER, '/ | RET02200 |
| * | 1X,'--MINIMUM MULTIPLIER, '/ | RET02210 |
| * | 1X,'--SSAGE, '/ | RET02220 |
| * | 1X,'--SS OFFSET CONSTANT %, '/ | RET02230 |
| * | 1X,'--SS OFFSET % PER YOS, '/ | RET02240 |
| * | 1X,'--SS OFFSET % MAXIMUM: ') | RET02250 |
| 9338 | FORMAT(1X,'GIVE: '/ | RET02260 |
| * | 1X,'--ANNUAL WAGE GROWTH RATE, '/ | RET02270 |
| * | 1X,'--ANNUAL COLA GROWTH RATE, '/ | RET02280 |
| * | 1X,'--ANNUAL INTEREST RATE, '/ | RET02290 |
| * | 1X,'--INDEXING OPTION:IMMED=1,BY AGE=2,BY YOS=3,NONE=4, '/ | RET02300 |

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*      1X, '--INDEXING POINT:SPECIFY AGE OR YOS,'/          RET02310
*      1X, '--FIRST INDEXING RATE,'/                      RET02320
*      1X, '--SECOND INDEXING RATE,'/                     RET02330
9339  FORMAT(1X,'GIVE:'/'/                                RET02340
*      1X, '--PAY BASE FILE: BP=1, BMC=2, RMC=3'/'        RET02350
*      1X, '--PAY AVERAGE OPTION: TERM=0, HI-1=1, HI-3=3, ETC'/' RET02360
*      1X, '--TYPE OF PAY:NONDISABILITY=1,DISABILITY=2,VESTING=3,'/RET02370
*      1X, '--START YOS,'/'/                              RET02380
*      1X, '--LAST YOS:'/'/                                RET02390
*      1X, '--OFFICER OUTPUT FILE #'/'/                   RET02400
*      1X, '--WARRANT OUTPUT FILE #'/'/                   RET02410
*      1X, '--ENLISTED OUTPUT FILE #'/'/                  RET02420
9370  FORMAT(1X,'DECREMENT CHOICES--GIVE OPTION,ARGUMENT#1,ARGUMENT#2'/'/ RET02430
*      #1=CONSTANT % (ARG1) (SET ARG2=0)'/'/              RET02440
*      #2=CONSTANT % POINTS (ARG1) (SET ARG2=0)'/'/       RET02450
*      #3=VARIABLE % BASED ON AGE--% REDUCTION/YR (ARG1) TIMES # OF'/'/ RET02460
*      YEARS ANNUITY START POINT PRECEDES A CERTAIN AGE (ARG2)'/'/ RET02470
*      #4=VARIABLE % BASED ON YOS--% REDUCTION/YR (ARG1) TIMES # OF'/'/ RET02480
*      YEARS ANNUITY START POINT PRECEDES A CERTAIN YOS (ARG2)'/'/ RET02490
*      #5=VARIABLE % BASED ON YOS--% REDUCTION/YR (ARG1) TIMES # OF'/'/ RET02500
*      YEARS ANNUITY START POINT PRECEDES MAND RET POINTS'/'/ RET02510
*      (SET ARG2=0)'/'/                                    RET02520
*      #6=CONSTANT % (ARG1) IF YOS AT EXIT IS LESS THAN A CERTAIN'/'/ RET02530
*      YOS (ARG2)'/'/                                      RET02540
*      #7=FLOATING % BASED ON AGE--% REDUCTION/YR (ARG1) TIMES # OF'/'/ RET02550
*      YEARS CURRENT AGE IS LESS THAN FULL ANNUITY START AGE'/'/ RET02560
*      (SET ARG2=0)'/'/                                    RET02570
9371  FORMAT(1H1,'DECREMENT #1 (FULL ANNUITY)'/'/          RET02580
9372  FORMAT(1H1,'DECREMENT #2 (EARLY ANNUITY)'/'/          RET02590
9373  FORMAT(' INPUT MULTIPLIER SCHEDULE--6 PAIRS OF NUMBERS (1,0.025)'/'/ RET02600
9374  FORMAT(' INPUT RETIREMENT SCHEDULE--5 PAIRS OF NUMBERS (20,65)'/'/ RET02610
9375  FORMAT(1H1,                                          RET02620
*      'INPUT VARIABLES:'/'/                                RET02630
*      SYSTEM: ',A4/'/                                      RET02640
*      LABEL: ',17A4/'/                                     RET02650
*      APPLICABLE TO LOSSES BETWEEN ',I3,' AND ',I3,' YOS.'/'/ RET02660
*      PAY BASIS: ',A4,', HI-',I2/'/                        RET02670
*      POINTS: FREE POINTS=',F6.0/'/                        RET02680
*      RETIREMENT POINT ACCRUAL RATE/ ACTIVE YOS=',F7.3/'/ RET02690
*      POINTS NEEDED PER RETIREMENT YOS=',F7.3/'/          RET02700
*      ECONOMIC ASSUMPTIONS: ANNUAL WAGE GROWTH RATE=',F5.2,'%/'/ RET02710
*      ANNUAL INFLATION (COLA)=',F5.2,'%/'/                RET02720
*      ANNUAL INTEREST RATE =',F5.2,'%/'/                  RET02730
*      SS OFFSET: AGE=',I4,', CONSTANT %=',F5.2,', VAR %/YOS=',F5.2/'/RET02740
*      MAXIMUM %=',F5.2,'/'/                                RET02750
*      INDEXING: OPTION--',A4/'/                            RET02760

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| 9376 | FORMAT(1X, | | RET02770 |
| * | STAGE #1--',F6.2,'% OF COLA UNTIL ',A4,'=',I2/ | | RET02780 |
| * | STAGE #2--',F6.2,'% OF COLA UNTIL DEATH') | | RET02790 |
| 9377 | FORMAT(1X, | | RET02800 |
| * | OUTPUT FILE LOCATIONS: OFFICER=',I2,/ | | RET02810 |
| * | WARRANT=',I2,/ | | RET02820 |
| * | ENLISTED=',I2,/) | | RET02830 |
| 9378 | FORMAT(1X, | | RET02840 |
| * | BASIC MULTIPLIER ACCRUAL SCHEDULE: '/ | | RET02850 |
| * | FOR EVERY COMPLETED YOS BETWEEN ',I3,' AND ',I3, | | RET02860 |
| * | (INCLUSIVE), YOU GET ',F5.2,' PERCENTAGE POINTS. '/ | | RET02870 |
| * | FOR EVERY COMPLETED YOS BETWEEN ',I3,' AND ',I3, | | RET02880 |
| * | (INCLUSIVE), YOU GET ',F5.2,' PERCENTAGE POINTS. '/ | | RET02890 |
| * | FOR EVERY COMPLETED YOS BETWEEN ',I3,' AND ',I3, | | RET02900 |
| * | (INCLUSIVE), YOU GET ',F5.2,' PERCENTAGE POINTS. '/ | | RET02910 |
| * | FOR EVERY COMPLETED YOS BETWEEN ',I3,' AND ',I3, | | RET02920 |
| * | (INCLUSIVE), YOU GET ',F5.2,' PERCENTAGE POINTS. '/ | | RET02930 |
| * | FOR EVERY COMPLETED YOS BETWEEN ',I3,' AND ',I3, | | RET02940 |
| * | (INCLUSIVE), YOU GET ',F5.2,' PERCENTAGE POINTS. '/ | | RET02950 |
| * | FOR EVERY COMPLETED YOS BETWEEN ',I3,' AND ',99', | | RET02960 |
| * | (INCLUSIVE), YOU GET ',F5.2,' PERCENTAGE POINTS. '/ | | RET02970 |
| * | HOWEVER, YOUR TOTAL MULTIPLIER IS LIMITED TO ',F5.2, | | RET02980 |
| * | --',F5.2,' PERCENTAGE POINTS. '/) | | RET02990 |
| 9379 | FORMAT(1X, | | RET03000 |
| * | FULL ANNUITY START POINT SCHEDULE: '/ | | RET03010 |
| * | IF YOU LEAVE SERVICE WITH BETWEEN ',I3,' AND ',I3, | | RET03020 |
| * | YOS (INCLUSIVE), YOUR FULL ANNUITY STARTS AT ',I3,' AGE/YOS '/ | | RET03030 |
| * | IF YOU LEAVE SERVICE WITH BETWEEN ',I3,' AND ',I3, | | RET03040 |
| * | YOS (INCLUSIVE), YOUR FULL ANNUITY STARTS AT ',I3,' AGE/YOS '/ | | RET03050 |
| * | IF YOU LEAVE SERVICE WITH BETWEEN ',I3,' AND ',I3, | | RET03060 |
| * | YOS (INCLUSIVE), YOUR FULL ANNUITY STARTS AT ',I3,' AGE/YOS '/ | | RET03070 |
| * | IF YOU LEAVE SERVICE WITH BETWEEN ',I3,' AND ',I3, | | RET03080 |
| * | YOS (INCLUSIVE), YOUR FULL ANNUITY STARTS AT ',I3,' AGE/YOS '/ | | RET03090 |
| * | IF YOU LEAVE SERVICE WITH BETWEEN ',I3,' AND ',99', | | RET03100 |
| * | YOS (INCLUSIVE), YOUR FULL ANNUITY STARTS AT ',I3,' AGE/YOS '/) | | RET03110 |
| 9380 | FORMAT(1X,'FULL ANNUITY MULTIPLIER=BASIC MULTIPLIER LESS ', | | RET03120 |
| * | 'DECREMENT #1; DECREMENT #1 OPTION IS:') | | RET03130 |
| 9381 | FORMAT(1X, | | RET03140 |
| * | #1=',F7.3,' % OF ORIGINAL MULTIPLIER') | | RET03150 |
| 9382 | FORMAT(1X, | | RET03160 |
| * | #2=',F7.3,' % POINTS ') | | RET03170 |
| 9383 | FORMAT(1X, | | RET03180 |
| * | #3=VARIABLE % BASED ON AGE--',F7.3,' % REDUCTION/YR TIMES # OF', | | RET03190 |
| * | YEARS ANNUITY START POINT PRECEDES AGE ',I3) | | RET03200 |
| 9384 | FORMAT(1X, | | RET03210 |
| * | #4=VARIABLE % BASED ON YOS--',F7.3,' % REDUCTION/YR TIMES # OF', | | RET03220 |

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| | *' YEARS ANNUITY START POINT PRECEDES ',I3,' YOS') | RET03230 |
| 9385 | FORMAT(1X, | RET03240 |
| | *' #5=VARIABLE % BASED ON YOS--',F7.3,' % REDUCTION/YR TIMES # OF', | RET03250 |
| | *' YEARS ANNUITY START POINT PRECEDES MAND RET POINTS') | RET03260 |
| 9386 | FORMAT(1X, | RET03270 |
| | *' #6=',F7.3,' % IF YOS AT EXIT IS LESS THAN ',I3,' YOS') | RET03280 |
| 9387 | FORMAT(1X, | RET03290 |
| | *' #7=FLOATING % BASED ON AGE--',F7.3,' % REDUCTION/YR TIMES # OF', | RET03300 |
| | *' YEARS CURRENT AGE IS LESS THAN FULL ANNUITY START AGE') | RET03310 |
| 9390 | FORMAT(1X,'EARLY ANNUITY MULTIPLIER=FULL ANNUITY MULTIPLIER ', | RET03320 |
| | *' LESS DECREMENT #2; DECREMENT #2 OPTION IS:') | RET03330 |
| 9391 | FORMAT(1X, | RET03340 |
| | *' #1=',F7.3,' % OF ORIGINAL MULTIPLIER') | RET03350 |
| 9392 | FORMAT(1X, | RET03360 |
| | *' #2=',F7.3,' % POINTS ') | RET03370 |
| 9393 | FORMAT(1X, | RET03380 |
| | *' #3=VARIABLE % BASED ON AGE--',F7.3,' % REDUCTION/YR TIMES # OF', | RET03390 |
| | *' YEARS ANNUITY START POINT PRECEDES AGE ',I3) | RET03400 |
| 9394 | FORMAT(1X, | RET03410 |
| | *' #4=VARIABLE % BASED ON YOS--',F7.3,' % REDUCTION/YR TIMES # OF', | RET03420 |
| | *' YEARS ANNUITY START POINT PRECEDES ',I3,' YOS') | RET03430 |
| 9395 | FORMAT(1X, | RET03440 |
| | *' #5=VARIABLE % BASED ON YOS--',F7.3,' % REDUCTION/YR TIMES # OF', | RET03450 |
| | *' YEARS ANNUITY START POINT PRECEDES MAND RET POINTS') | RET03460 |
| 9396 | FORMAT(1X, | RET03470 |
| | *' #6=',F7.3,' % IF YOS AT EXIT IS LESS THAN ',I3,' YOS') | RET03480 |
| 9397 | FORMAT(1X, | RET03490 |
| | *' #7=FLOATING % BASED ON AGE--',F7.3,' % REDUCTION/YR TIMES # OF', | RET03500 |
| | *' YEARS CURRENT AGE IS LESS THAN FULL ANNUITY START AGE') | RET03510 |
| C | | RET03520 |
| C | DATA INITIALIZATION***** | RET03530 |
| | DATA COMM/'OFF ', 'WRT ', 'ENL ' / | RET03540 |
| | DATA ROPT/'NDIS', 'DISB', 'VSTG', 'BONS' / | RET03550 |
| | DATA CFLAB/'CF--' / | RET03560 |
| C | | RET03570 |
| | DATA EAGE/23,20,19/ | RET03580 |
| C | | RET03590 |
| | DATA FILENR/10,11,12, | RET03600 |
| | * 13,14,15, | RET03610 |
| | * 16,17,18, | RET03620 |
| | * 19,20,21, | RET03630 |
| | * 0, 0, 0/ | RET03640 |
| | DATA NPJA/ 33*0.0, | RET03650 |
| | * 1727., 0., 987., 1803., 0., 1157., | RET03660 |
| | * 1886., 0., 1343., 1973., 0., 1445., | RET03670 |
| | * 2065., 0., 1525., 2169., 0., 1609., | RET03680 |

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| * | 2262., 0., 1702., 2366., 0., 1806., | RET03690 |
| * | 2480., 0., 1907., 2600., 0., 2017., | RET03700 |
| * | 2733., 0., 2133., 2880., 0., 2257., | RET03710 |
| * | 3037., 0., 2390., 3197., 0., 2533., | RET03720 |
| * | 3373., 0., 2683., 3563., 0., 2853., | RET03730 |
| * | 3773., 0., 3030., 3983., 0., 3207., | RET03740 |
| * | 4213., 0., 3390., 4463., 0., 3590., | RET03750 |
| * | 4633., 0., 3747., 4783., 0., 3910., | RET03760 |
| * | 4873., 0., 3993., 4963., 0., 4073./ | RET03770 |
| C | | RET03780 |
| | DATA HYT/20,20,20,24,28,30,30,30,30,30, | RET03790 |
| * | 24,26,28,30,30,30,30,30,30,30, | RET03800 |
| * | 20,20,20,20,20,24,26,28,30,30/ | RET03810 |
| C | | RET03820 |
| | DATA EXGRD/5,3,7, | RET03830 |
| * | 4,3,5, | RET03840 |
| * | 4,3,5/ | RET03850 |
| | DATA PAYL/' BP', ' BMC', ' RMC' / | RET03860 |
| | DATA INDL/' FULL', ' AGE', ' YOS', ' NONE' / | RET03870 |
| C | | RET03880 |
| | DATA EXYOS/23,21,25, | RET03890 |
| * | 14,15,17, | RET03900 |
| * | 14,15,17/ | RET03910 |
| | GO TO 6056 | RET03920 |
| C | | RET03930 |
| C | INSERT CODE FOR BONUS OPTION AT THIS POINT***** | RET03940 |
| C | | RET03950 |
| | CALL DISPCL | RET03960 |
| | PRINT 6050 | RET03970 |
| 6050 | FORMAT (1X, 'BONUS VARIABLES?') | RET03980 |
| | READ(5,*) BON20,BON22,BON26,FILENR(1,5),FILENR(2,5),FILENR(3,5) | RET03990 |
| | RETOP1=4 | RET04000 |
| | M=2 | RET04010 |
| C | ROUTINE TO GET OUTPUT FILE LABEL | RET04020 |
| | WRITE (6,9252) | RET04030 |
| | READ (5,9222) (LABEL(I),I=1,17) | RET04040 |
| C | EXECUTE PROGRAM FOR EACH COMMUNITY***** | RET04050 |
| | DO 6051 L=1,3 | RET04060 |
| C | | RET04070 |
| C | READ IN BASE PAY TABLE***** | RET04080 |
| | FILE1=FILENR(L,M) | RET04090 |
| | READ (FILE1,9222) | RET04100 |
| | DO 6052 I=1,35 | RET04110 |
| 6052 | READ(FILE1,1) (BASE(I,J),J=1,10) | RET04120 |
| | REWIND FILE1 | RET04130 |
| C | INITIALIZE ARRAYS | RET04140 |

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| DO 6053 I=1,35 | RET04150 |
| DO 6053 J=1,10 | RET04160 |
| 6053 TABLE(I,J)=0.0 | RET04170 |
| DO 6054 J=1,10 | RET04180 |
| TABLE(20,J)=BASE(21,J)*12.0*BON20 | RET04190 |
| TABLE(22,J)=BASE(23,J)*12.0*BON22 | RET04200 |
| TABLE(26,J)=BASE(27,J)*12.0*BON26 | RET04210 |
| 6054 CONTINUE | RET04220 |
| C WRITE THE FILE TO DISK***** | RET04230 |
| IFILE6=FILENR(L,5) | RET04240 |
| WRITE (IFILE6,9222) CFLAB,COMM(L),ROPT(RETOPT),(LABEL(I),I=1,17) | RET04250 |
| DO 6055 J=1,35 | RET04260 |
| 6055 WRITE (IFILE6,1) (TABLE(J,K),K=1,10) | RET04270 |
| REWIND IFILE6 | RET04280 |
| C | RET04290 |
| 6051 CONTINUE | RET04300 |
| C | RET04310 |
| C RETURN TO MAIN PROGRAM | RET04320 |
| GO TO 5 | RET04330 |
| C | RET04340 |
| C | RET04350 |
| C END OF BONUS OPTION CODE***** | RET04360 |
| C | RET04370 |
| 6056 CONTINUE | RET04380 |
| FREEPT=0.0 | RET04390 |
| RPPYR=1.0 | RET04400 |
| PTSPYR=1.0 | RET04410 |
| C | RET04420 |
| PRINT 9337 | RET04430 |
| READ(5,*) MAXRM,MINRM,SSAGE,SS1,SS2,SSMAX | RET04440 |
| PRINT 9338 | RET04450 |
| READ(5,*) WGR,COLA,INTR,INDOPT,INDPT,RPGF1,RPGF2 | RET04460 |
| CALL DISPCL | RET04470 |
| PRINT 9339 | RET04480 |
| READ(5,*)M,N,RETOPT,FIRST,LAST,FILENR(1,5),FILENR(2,5),FILENR(3,5) | RET04490 |
| M=M+1 | RET04500 |
| C | RET04510 |
| C ROUTINE TO GET OUTPUT FILE LABEL | RET04520 |
| WRITE (6,9252) | RET04530 |
| READ (5,9222) (LABEL(I),I=1,17) | RET04540 |
| C | RET04550 |
| C ROUTINE TO GET MULTIPLIER & RETIREMENT POINT CALCULATION SCHEDULES | RET04560 |
| CALL DISPCL | RET04570 |
| PRINT 9373 | RET04580 |
| READ (5,*) BPT1,MAR1,BPT2,MAR2,BPT3,MAR3,BPT4,MAR4,BPT5,MAR5, | RET04590 |
| * BPT6,MAR6 | RET04600 |

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| | CALL DISPCL | RET04610 |
| | PRINT 9374 | RET04620 |
| | READ (5,*) APT1,AGE1,APT2,AGE2,APT3,AGE3,APT4,AGE4,APT5,AGE5 | RET04630 |
| C | | RET04640 |
| C | ROUTINE TO GET DECREMENT OPTIONS AND ARGUMENTS | RET04650 |
| | CALL DISPCL | RET04660 |
| | PRINT 9371 | RET04670 |
| | PRINT 9370 | RET04680 |
| | READ(5,*) D1,D1ARG1,D1ARG2 | RET04690 |
| | CALL DISPCL | RET04700 |
| | PRINT 9372 | RET04710 |
| | PRINT 9370 | RET04720 |
| | READ(5,*) D2,D2ARG1,D2ARG2 | RET04730 |
| C | | RET04740 |
| C | NOW PRINT OUT ALL THE INPUT VARIABLES***** | RET04750 |
| | CALL DISPCL | RET04760 |
| | WGR100=WGR*100 | RET04770 |
| | COL100=COLA*100 | RET04780 |
| | INT100=INTR*100 | RET04790 |
| | WRITE(2,9375) ROPT(RETOPT),(LABEL(JJ),JJ=1,17),FIRST,LAST, | RET04800 |
| | *PAYL(M-1),N,FREET,PPYR,PTSPYR,WGR100,COL100,INT100, | RET04810 |
| | *SSAGE,SS1,SS2,SSMAX, | RET04820 |
| | *INDL(INDOPT) | RET04830 |
| | RGF100=RPGF1*100 | RET04840 |
| | RGF200=RPGF2*100 | RET04850 |
| | IF (INDOPT.EQ.2.OR.INDOPT.EQ.3) | RET04860 |
| | *WRITE(2,9376)RGF100,INDL(INDOPT),INDPT,RGF200 | RET04870 |
| | WRITE(2,9377) (FILENR(JJ,5),JJ=1,3) | RET04880 |
| | BPT2M1=BPT2-1 | RET04890 |
| | MAR100=MAR1*100 | RET04900 |
| | BPT3M1=BPT3-1 | RET04910 |
| | MAR200=MAR2*100 | RET04920 |
| | BPT4M1=BPT4-1 | RET04930 |
| | MAR300=MAR3*100 | RET04940 |
| | BPT5M1=BPT5-1 | RET04950 |
| | MAR400=MAR4*100 | RET04960 |
| | BPT6M1=BPT6-1 | RET04970 |
| | MAR500=MAR5*100 | RET04980 |
| | MAR600=MAR6*100 | RET04990 |
| | MAX100=MAXRM*100 | RET05000 |
| | MIN100=MINRM*100 | RET05010 |
| | WRITE(2,9378) | RET05020 |
| | *BPT1,BPT2M1,MAR100,BPT2,BPT3M1,MAR200,BPT3,BPT4M1,MAR300, | RET05030 |
| | *BPT4,BPT5M1,MAR400,BPT5,BPT6M1,MAR500,BPT6,MAR600,MIN100,MAX100 | RET05040 |
| | APT2M1=APT2-1 | RET05050 |
| | APT3M1=APT3-1 | RET05060 |

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| APT4M1=APT4-1 | RET05070 |
| APT5M1=APT5-1 | RET05080 |
| WRITE(2,9379) | RET05090 |
| *APT1,APT2M1,AGE1, APT2,APT3M1,AGE2, APT3,APT4M1,AGE3, | RET05100 |
| *APT4,APT5M1,AGE4, APT5,AGE5 | RET05110 |
| D11=D1ARG1*100 | RET05120 |
| WRITE(2,9380) | RET05130 |
| IF (D1.EQ.1) WRITE(2,9381) D11 | RET05140 |
| IF (D1.EQ.2) WRITE(2,9382) D11 | RET05150 |
| IF (D1.EQ.3) WRITE(2,9383) D11,D1ARG2 | RET05160 |
| IF (D1.EQ.4) WRITE(2,9384) D11,D1ARG2 | RET05170 |
| IF (D1.EQ.5) WRITE(2,9385) D11 | RET05180 |
| IF (D1.EQ.6) WRITE(2,9386) D11,D1ARG2 | RET05190 |
| IF (D1.EQ.7) WRITE(2,9387) D11 | RET05200 |
| D21=D2ARG1*100 | RET05210 |
| WRITE(2,9390) | RET05220 |
| IF (D2.EQ.1) WRITE(2,9391) D21 | RET05230 |
| IF (D2.EQ.2) WRITE(2,9392) D21 | RET05240 |
| IF (D2.EQ.3) WRITE(2,9393) D21,D2ARG2 | RET05250 |
| IF (D2.EQ.4) WRITE(2,9394) D21,D2ARG2 | RET05260 |
| IF (D2.EQ.5) WRITE(2,9395) D21 | RET05270 |
| IF (D2.EQ.6) WRITE(2,9396) D21,D2ARG2 | RET05280 |
| IF (D2.EQ.7) WRITE(2,9397) D21 | RET05290 |
| C FINISHED PRINTING INPUT VARIABLES***** | RET05300 |
| C | RET05310 |
| C EXECUTE PROGRAM FOR EACH COMMUNITY***** | RET05320 |
| DO 6000 L=1,3 | RET05330 |
| EADAGE=EAGE(L) | RET05340 |
| C | RET05350 |
| C READ IN BASE PAY TABLE***** | RET05360 |
| FILE1=FILENR(L,M) | RET05370 |
| READ (FILE1,9222) | RET05380 |
| DO 331 I=1,35 | RET05390 |
| 331 READ(FILE1,1) (BASE(I,J),J=1,10) | RET05400 |
| REWIND FILE1 | RET05410 |
| C | RET05420 |
| C READ IN MORTALITY TABLE***** | RET05430 |
| FILE2=FILENR(L,1) | RET05440 |
| READ (FILE2,9222) | RET05450 |
| DO 332 I=1,35 | RET05460 |
| 332 READ(FILE2,1) (T1(I,J),J=1,10) | RET05470 |
| REWIND FILE2 | RET05480 |
| C | RET05490 |
| C MAP FROM T1 ARRAY INTO DEATH(I) | RET05500 |
| DO 801 I=1,35 | RET05510 |
| DO 801 J=1,3 | RET05520 |

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| E1=I+(J-1)*35 | RET05530 |
| INDEX(E1)=T1(I,2*J-1) | RET05540 |
| DEATH(E1)=T1(I,2*J) | RET05550 |
| 801 CONTINUE | RET05560 |
| OFFSET=INDEX(1)-1 | RET05570 |
| C | RET05580 |
| C INITIALIZE ARRAYS | RET05590 |
| DO 802 I=1,35 | RET05600 |
| DO 802 J=1,10 | RET05610 |
| TABLE(I,J)=0.0 | RET05620 |
| T1(I,J)=0.0 | RET05630 |
| T2(I,J)=0.0 | RET05640 |
| EL(I,J)=0.0 | RET05650 |
| 802 CONTINUE | RET05660 |
| C | RET05670 |
| C START ALGORITHM***** | RET05680 |
| C DO IT FOR EACH GRADE(J) AND RETIREMENT YOS(I)***** | RET05690 |
| DO 333 I=FIRST, LAST | RET05700 |
| DO 333 J=1,10 | RET05710 |
| C | RET05720 |
| C INITIALIZE VARIABLES FOR EACH PASS***** | RET05730 |
| C | RET05740 |
| C COMPUTE LIMIT FOR K-LOOP | RET05750 |
| E1=110-(EADAGE+I-1) | RET05760 |
| C | RET05770 |
| C ROUTINE TO COMPUTE PT AT WHICH FULL ANNUITY BEGINS | RET05780 |
| IF (I.GE.APT1) RETAGE=AGE1 | RET05790 |
| IF (I.GE.APT2) RETAGE=AGE2 | RET05800 |
| IF (I.GE.APT3) RETAGE=AGE3 | RET05810 |
| IF (I.GE.APT4) RETAGE=AGE4 | RET05820 |
| IF (I.GE.APT5) RETAGE=AGE5 | RET05830 |
| C | RET05840 |
| C COMPUTE YOS FOR RETIREMENT PURPOSES (BASED ON POINT ACCRUAL RATES) | RET05850 |
| RYOS=(FREEPT+I*RPPYR)/PTSPYR | RET05860 |
| C | RET05870 |
| C ROUTINE TO COMPUTE HI3,ETC | RET05880 |
| RPBASE=BASE(I,J) | RET05890 |
| NN=N | RET05900 |
| IF (I.LE.N) NN=I-1 | RET05910 |
| IF (NN.EQ.0) GO TO 6003 | RET05920 |
| SUMM=0.0 | RET05930 |
| DO 6004 Y=1,NN | RET05940 |
| C WATCH OUT--SUBSCRIPT COULD GO BELOW 1***** | RET05950 |
| 6004 SUMM=SUMM+0.5* (((1.0/((1.0+WGR)**(Y-1)))*BASE(I-(Y-1),J)) | RET05960 |
| * +((1.0/((1.0+WGR)**(Y)))*BASE(I-(Y),J))) | RET05970 |
| RPBASE=SUMM/NN | RET05980 |

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| 6003 | CONTINUE | RET05990 |
| | IF (BASE(I,J).EQ.0.0) BASE(I,J)=1.0 | RET06000 |
| | HXRFB(L,I,J)=RPBASE/BASE(I,J) | RET06010 |
| | SSOSPC=SS1+SS2*I | RET06020 |
| | IF (SSOSPC.GT.SSMAX) SSOSPC=SSMAX | RET06030 |
| | SSOS=SSOSPC*NPIA(L,I)/12.0 | RET06040 |
| | PCSS=0.0 | RET06050 |
| | IF (RPBASE.NE.0.0) PCSS=SSOS/RPBASE | RET06060 |
| C | | RET06070 |
| C | COMPUTE BASIC MULTIPLIER | RET06080 |
| | BAM=AMAX1(0.0,AMINO(RYOS-(BPT1-1),BPT2-BPT1))*MAR1 | RET06090 |
| | * +AMAX1(0.0,AMINO(RYOS-(BPT2-1),BPT3-BPT2))*MAR2 | RET06100 |
| | * +AMAX1(0.0,AMINO(RYOS-(BPT3-1),BPT4-BPT3))*MAR3 | RET06110 |
| | * +AMAX1(0.0,AMINO(RYOS-(BPT4-1),BPT5-BPT4))*MAR4 | RET06120 |
| | * +AMAX1(0.0,AMINO(RYOS-(BPT5-1),BPT6-BPT5))*MAR5 | RET06130 |
| | * +AMAX1(0.0,AMINO(RYOS-(BPT6-1),100))*MAR6 | RET06140 |
| | BAM=AMIN1(MAXRM,BAM) | RET06150 |
| C | | RET06160 |
| C | INSERT ROUTINE TO CALCULATE DECREMENT #1 | RET06170 |
| | DEC1=0.0 | RET06180 |
| | GO TO (501,502,503,504,505,506,507),D1 | RET06190 |
| 501 | DEC1=BAM*D1ARG1 | RET06200 |
| | GO TO 508 | RET06210 |
| 502 | DEC1=D1ARG1 | RET06220 |
| | GO TO 508 | RET06230 |
| 503 | DEC1=BAM*D1ARG1*AMAX0(0,D1ARG2-RETAGE) | RET06240 |
| | GO TO 508 | RET06250 |
| C504 | DEC1=BAM*D1ARG1*AMAX0(0,D1ARG2-I) | RET06260 |
| C | USE THE NEXT LINE IF YOU WANT DECREMENT TO BE IN %-PTS | RET06270 |
| 504 | DEC1= D1ARG1*AMAX0(0,D1ARG2-I) | RET06280 |
| | GO TO 508 | RET06290 |
| 505 | DEC1=BAM*D1ARG1*AMAX0(0,HYT(J,L)-I) | RET06300 |
| | GO TO 508 | RET06310 |
| 506 | DEC1=0.0 | RET06320 |
| | IF (I.LT.D1ARG2) DEC1=BAM*D1ARG1 | RET06330 |
| | GO TO 508 | RET06340 |
| 507 | DEC1=BAM*D1ARG1*AMAX0(0,RETAGE-AGE(K)) | RET06350 |
| 508 | CONTINUE | RET06360 |
| C | | RET06370 |
| | POP(1)=5000.0 | RET06380 |
| | HOLD1=0.0 | RET06390 |
| | HOLD2=0.0 | RET06400 |
| C | | RET06410 |
| C | RUN POPULATION OUT TO MAXAGE AND COMPUTE PAYS | RET06420 |
| | DO 334 K=1,E1 | RET06430 |
| | SVC(K)=K+I-1 | RET06440 |

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| AGE(K)=EADAGE+SVC(K) | RET06450 |
| WGF(K)=1.0/((1.0+WGR)**(K-1)) | RET06460 |
| RPB(K)=RPBASE*WGF(K) | RET06470 |
| C | RET06480 |
| C THE FOLLOWING LINES COMPUTE THE INDEXING OF RETIRED PAY | RET06490 |
| IF (K.EQ.1) RPF(K)=1.00 | RET06500 |
| IF (K.EQ.1) GO TO 6001 | RET06510 |
| FACTOR=RPF1 | RET06520 |
| IF ((INDOPT.EQ.2.AND.AGE(K).GT.INDPT).OR. | RET06530 |
| * (INDOPT.EQ.3.AND.SVC(K).GT.INDPT)) FACTOR=RPF2 | RET06540 |
| IF (INDOPT.EQ.4) FACTOR=0.0 | RET06550 |
| IF (INDOPT.EQ.1) FACTOR=1.0 | RET06560 |
| RPF(K)=RPF(K-1)*(1.0+FACTOR*COLA) | RET06570 |
| 6001 CONTINUE | RET06580 |
| CRPB(K)=RPB(K)*RPF(K) | RET06590 |
| C | RET06600 |
| RYS(K)=RYOS | RET06610 |
| BM(K)=BAM | RET06620 |
| DECR1(K)=DEC1 | RET06630 |
| FM(K)=BM(K)-DECR1(K) | RET06640 |
| C | RET06650 |
| C INSERT DECR2 COMPUTATION AT THIS POINT | RET06660 |
| DECR2(K)=0.0 | RET06670 |
| GO TO (511,512,513,514,515,516,517),D2 | RET06680 |
| 511 DECR2(K)=FM(K)*D2ARG1 | RET06690 |
| GO TO 518 | RET06700 |
| 512 DECR2(K)=D2ARG1 | RET06710 |
| GO TO 518 | RET06720 |
| 513 DECR2(K)=FM(K)*D2ARG1*AMAX0(0,D2ARG2-RETAGE) | RET06730 |
| GO TO 518 | RET06740 |
| 514 DECR2(K)=FM(K)*D2ARG1*AMAX0(0,D2ARG2-I) | RET06750 |
| C USE THE NEXT LINE INSTEAD IF YOU WANT DECREMENT TO BE IN %-PTS | RET06760 |
| G514 DECR2(K)= D2ARG1*AMAX0(0,D2ARG2-I) | RET06770 |
| GO TO 518 | RET06780 |
| 515 DECR2(K)=FM(K)*D2ARG1*AMAX0(0,HYT(J,L)-I) | RET06790 |
| GO TO 518 | RET06800 |
| 516 DECR2(K)=0.0 | RET06810 |
| IF (I.LT.D2ARG2) DECR2(K)=FM(K)*D2ARG1 | RET06820 |
| GO TO 518 | RET06830 |
| 517 DECR2(K)=FM(K)*D2ARG1*AMAX0(0,RETAGE-AGE(K)) | RET06840 |
| 518 CONTINUE | RET06850 |
| IF ((RETAGE.GT.35.AND.AGE(K).GE.RETAGE).OR. | RET06860 |
| * (RETAGE.LE.35.AND.SVC(K).GE.RETAGE)) | DECR2(K)=0.0 |
| IF (RETOPT.EQ.3.AND. | RET06870 |
| *((RETAGE.GT.35.AND.AGE(K).LT.RETAGE).OR. | RET06880 |
| * (RETAGE.LE.35.AND.SVC(K).LT.RETAGE))) | DECR2(K)=FM(K) |
| | RET06890 |
| | RET06900 |

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| C | RET06910 |
| C | RET06920 |
| C***OLD CODE***** | RET06930 |
| C MULT(K)=AMIN1(MAXRM,(I*0.025+AMAX1(0.0,(I-IMAGE)*INCR))) | RET06940 |
| C THE NEXT TWO LINES DELAY THE ANNUITY TO YOS=30 | RET06950 |
| C MULT(K)=0.0 | RET06960 |
| C IF (SVC(K).GE.30) MULT(K)=AMIN1(MAXRM,(I*0.025)) | RET06970 |
| C MULT(K)=AMIN1(MAXRM,(I*0.025*(1.0-0.03*(30-I)))) | RET06980 |
| C MULT(K)=AMIN1(MAXRM,(I*0.025*(1.0-0.03*(65-55)))) | RET06990 |
| C THE NEXT TWO LINES DELAY THE ANNUITY TO AGE=65 | RET07000 |
| C MULT(K)=0.0 | RET07010 |
| C IF (AGE(K).GE.65) MULT(K)=I*0.025 | RET07020 |
| C IF (SVC(K).LT.FULAGE) MULT(K)=MULT(K)-REDMLT | RET07030 |
| C*****END OF OLD CODE ***** | RET07040 |
| C | RET07050 |
| CM(K)=FM(K)-DECR2(K) | RET07060 |
| CM(K)=AMAX1(MINRM,CM(K)) | RET07070 |
| CA(K)=CM(K)*CRPB(K) | RET07080 |
| C | RET07090 |
| C INSERT COMPUTATIONS FOR VARIOUS OFFSETS AT THIS POINT | RET07100 |
| C SOCIAL SECURITY, SBP, MISCELLANEOUS | RET07110 |
| C***OLD SOCIAL SECURITY OFFSET CALCULATION***** | RET07120 |
| C P1=13200/((1.0+WGR)**(AGE(K)-EADAGE)) | RET07130 |
| C MCE=P1*(1.0-(1.0+WGR)**I)/(1.0-(1.0+WGR)) | RET07140 |
| C AMCE=MCE/(62-EADAGE-YRFREE) | RET07150 |
| C | RET07160 |
| C COMPUTE PIA BASED ON MONTHLY AMCE***** | RET07170 |
| C | RET07180 |
| C MOAMCE=AMCE/12.0 | RET07190 |
| C IF (MOAMCE.GT.76) GO TO 336 | RET07200 |
| C PIA=93.80 | RET07210 |
| C GO TO 3392 | RET07220 |
| C336 IF (MOAMCE.GT.110) GO TO 337 | RET07230 |
| C PIA=93.80+1.15*(MOAMCE-76) | RET07240 |
| C GO TO 3392 | RET07250 |
| C337 IF (MOAMCE.GT.660) GO TO 338 | RET07260 |
| C PIA=132.90+0.4304*(MOAMCE-110) | RET07270 |
| C GO TO 3392 | RET07280 |
| C338 IF (MOAMCE.GT.750) GO TO 339 | RET07290 |
| C PIA=369.60+0.265556*(MOAMCE-660) | RET07300 |
| C GO TO 3392 | RET07310 |
| C339 IF (MOAMCE.GT.1000) GO TO 3391 | RET07320 |
| C PIA=393.50+0.222*(MOAMCE-750) | RET07330 |
| C GO TO 3392 | RET07340 |
| C3391 PIA=449.00+0.2*(MOAMCE-1000) | RET07350 |
| C | RET07360 |

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| C | FINISHED COMPUTING PIA; NOW GO ON***** | RET07370 |
| C | | RET07380 |
| C3392 | SSD(K)=PIA/2.0 | RET07390 |
| C | IF (AGE(K).LT.SSAGE) SSD(K)=0.0 | RET07400 |
| C***** | END OF OLD SS CALCULATION***** | RET07410 |
| C | | RET07420 |
| | SS(K)=0.0 | RET07430 |
| | IF (AGE(K).GE.SSAGE) SS(K)=RPB(K)*PCSS | RET07440 |
| | SBP(K)=0.0 | RET07450 |
| | MISC(K)=0.0 | RET07460 |
| | NA(K)=CA(K)-SS(K)-SBP(K)-MISC(K) | RET07470 |
| C | DEATH RATES | RET07480 |
| | E2=AGE(K)-OFFSET | RET07490 |
| | IF (AGE(K).LT.35) E2=35-OFFSET | RET07500 |
| | DR(K)=DEATH(E2) | RET07510 |
| | IF (K.NE.1) POP(K)=POP(K-1)*(1.0-DR(K-1)) | RET07520 |
| | MY(K)=POP(K)*(1.0-0.5*DR(K)) | RET07530 |
| | COST(K)=MY(K)*NA(K) | RET07540 |
| | HOLD1=HOLD1+COST(K) | RET07550 |
| | HOLD2=HOLD2+MY(K) | RET07560 |
| C | | RET07570 |
| 334 | CONTINUE | RET07580 |
| C | | RET07590 |
| C | | RET07600 |
| C | PRINT OUT COMPUTATIONS FOR EXAMPLE(I,J)***** | RET07610 |
| | IF (J.NE.EXGRD(L,RETOPT).OR.I.NE.EXYOS(L,RETOPT)) GO TO 3394 | RET07620 |
| | WRITE(2,9333) EXGRD(L,RETOPT),EXYOS(L,RETOPT),BASE(I,J), | RET07630 |
| | * ROPT(RETOPT),N | RET07640 |
| | DO 3393 K=1,E1 | RET07650 |
| 3393 | WRITE(2,9334) K,SVC(K),AGE(K),WGF(K),RPB(K),RPGF(K),CRPB(K), | RET07660 |
| | * RYS(K),BM(K),DECR1(K),FM(K),DECR2(K),CM(K),CA(K), | RET07670 |
| | * SS(K),SBP(K),MISC(K),NA(K),POP(K),DR(K),MY(K), | RET07680 |
| | * COST(K) | RET07690 |
| C | | RET07700 |
| C | NOW COLLAPSE COSTS OF RETIREES FROM POINT(I,J) INTO COST FACTOR*** | RET07710 |
| C | | RET07720 |
| 3394 | CONTINUE | RET07730 |
| | TABLE(I,J)=12.0*HOLD1/5000.0 | RET07740 |
| | EL(I,J)=HOLD2/5000.0 | RET07750 |
| | T1(I,J)=NA(1)*12.0 | RET07760 |
| C | | RET07770 |
| 333 | CONTINUE | RET07780 |
| C | | RET07790 |
| C | PRINT RETIRED PAY TABLE AND EXP. LIFETIME TABLE | RET07800 |
| C | | RET07810 |
| | CALL DISPCL | RET07820 |

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| WRITE(2,9335) (J,J=1,6), (J,J=4,6) | RET07830 |
| DO 3395 I=FIRST, LAST | RET07840 |
| DUMMY4=TABLE(I,4)/EL(I,4) | RET07850 |
| DUMMY5=TABLE(I,5)/EL(I,5) | RET07860 |
| DUMMY6=TABLE(I,6)/EL(I,6) | RET07870 |
| 3395 WRITE(2,9336) I, (TABLE(I,J), J=1,6), EL(I,6), DUMMY4, DUMMY5, DUMMY6 | RET07880 |
| C | RET07890 |
| C COMPLETE TABLE AND CREATE THE RETIRED PAY COST FILE | RET07900 |
| C | RET07910 |
| C NEXT 4 LINES ARE SKIPPED WHEN COMPUTING D'S RET PAY OR VESTING | RET07920 |
| IF(RETOPT.NE.1) GOTO 805 | RET07930 |
| DO 3396 I=1, 19 | RET07940 |
| DO 3396 J=1, 10 | RET07950 |
| EL(I,J)=EL(20,J) | RET07960 |
| 3396 TABLE(I,J)=TABLE(20,J) | RET07970 |
| 805 CONTINUE | RET07980 |
| C WRITE OUTPUT DISPLAYS | RET07990 |
| WRITE(2,4007) | RET08000 |
| 4007 FORMAT(1H1, 'ANNUAL COST FACTORS FOR RETIRED PAY') | RET08010 |
| DO 4000 I=1, 35 | RET08020 |
| 4000 WRITE(2,4001) I, (TABLE(I,J), J=1, 10) | RET08030 |
| 4001 FORMAT(14, 10F12.0) | RET08040 |
| C | RET08050 |
| C WRITE(2,4008) | RET08060 |
| C4008 FORMAT(//1H1, 'YOS AGE EXP.LIFE EXP.DEATH') | RET08070 |
| C DO 4002 I=1, 35 | RET08080 |
| C IAGE=I+EADAGE | RET08090 |
| C EXPDTH=IAGE+EL(I,1) | RET08100 |
| C4002 WRITE(2,4003) I, IAGE, EL(I,1), EXPDTH | RET08110 |
| C4003 FORMAT(2I5, 2F7.2) | RET08120 |
| C***** | RET08130 |
| DO 4006 I=1, 35 | RET08140 |
| DO 4011 J=1, 10 | RET08150 |
| IF (EL(I,J).EQ.0.0) GO TO 4006 | RET08160 |
| 4011 T2(I,J)=TABLE(I,J)/EL(I,J) | RET08170 |
| 4006 CONTINUE | RET08180 |
| C | RET08190 |
| WRITE(2,4009) | RET08200 |
| 4009 FORMAT(1H1, 'AVERAGE ANNUAL RETIRED PAY PER RETIREE', 20X, | RET08210 |
| " 'ANNUAL RETIRED PAY FOR CURRENT RETIREES') | RET08220 |
| DO 4004 I=1, 35 | RET08230 |
| 4004 WRITE(2,4010) I, (T2(I,J), J=1, 10), I, (T1(I,J), J=1, 10) | RET08240 |
| 4010 FORMAT (2(I3, 10F6.0)) | RET08250 |
| C***** | RET08260 |
| C WRITE(2,4009) | RET08270 |
| C4009 FORMAT(1H1, 'AVERAGE ANNUAL RETIRED PAY PER RETIREE') | RET08280 |

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| C | DO 4004 I=1 ,35 | RET08290 |
| C | DO 4011 J=1,10 | RET08300 |
| C | IF (EL(I,J).EQ.0.0) GO TO 4004 | RET08310 |
| C4011 | T2(I,J)=TABLE(I,J)/EL(I,J) | RET08320 |
| C4004 | WRITE(2,4001) I,(T2(I,J),J=1,10) | RET08330 |
| C | | RET08340 |
| C | WRITE(2,4010) | RET08350 |
| C4010 | FORMAT(/1H1,'ANNUAL RETIRED PAY FOR CURRENT RETIREES') | RET08360 |
| C | DO 4006 I=1 ,35 | RET08370 |
| C4006 | WRITE(2,4001) I,(T1(I,J),J=1,10) | RET08380 |
| C | | RET08390 |
| C | WRITE THE FILE TO DISK***** | RET08400 |
| | IFILE6=FILENR(L,5) | RET08410 |
| | WRITE (IFILE6,9222) CFLAB,COMM(L),ROPT(RET0PT),(LABEL(I),I=1,17) | RET08420 |
| | DO 6002 J=1,35 | RET08430 |
| 6002 | WRITE (IFILE6,1) (TABLE(J,K),K=1,10) | RET08440 |
| | REWIND IFILE6 | RET08450 |
| C | | RET08460 |
| 6000 | CONTINUE | RET08470 |
| C | THIS SECTION IS DELETABLE--IT PRINTS OUT HI-3 REDUCTION FACTORS | RET08480 |
| | DO 7221 L=1,3 | RET08490 |
| | WRITE(2,*)L,N | RET08500 |
| | WRITE(2,9241) | RET08510 |
| | DO 7221 I=1,35 | RET08520 |
| | WRITE(2,9242) I,(HXRF(L,I,J),J=1,10) | RET08530 |
| 7221 | CONTINUE | RET08540 |
| C | | RET08550 |
| C | RETURN TO MAIN PROGRAM | RET08560 |
| | GO TO 5 | RET08570 |
| C | | RET08580 |
| C | THIS IS THE ROUTINE FOR BUILDING A RATE VECTOR(EX-DEATH RATES)***** | RET08590 |
| C | *****DRBILD***** | RET08600 |
| 34 | CALL DISPC | RET08610 |
| | PRINT 9340 | RET08620 |
| 9340 | FORMAT(1X,'PRINT INDEX FOR FIRST ENTRY,INDEX FOR LAST ENTRY') | RET08630 |
| | READ (5,*) FIRST, LAST | RET08640 |
| | OFFSET=FIRST-1 | RET08650 |
| | E1=FIRST-OFFSET | RET08660 |
| | E2=LAST-OFFSET | RET08670 |
| | IF (E2.LE.100) GO TO 340 | RET08680 |
| | PRINT 9342 | RET08690 |
| 9342 | FORMAT(1X,'RATE VECTOR CANNOT EXCEED 100 ENTRIES,TRY AGAIN') | RET08700 |
| | GO TO 34 | RET08710 |
| 340 | DO 342 I=1,E2 | RET08720 |
| 342 | INDEX(I)=I+OFFSET | RET08730 |
| | DO 341 I=1,E2,5 | RET08740 |

| | | |
|------|---|----------|
| | PRINT 9343, INDEX(I), INDEX(I+4) | RET08750 |
| 9343 | FORMAT(1X, 'ENTER RATES FOR YR=', I3, 'THRU YR=', I3) | RET08760 |
| 341 | READ (5, *) (RATE(I+J-1), J=1, 5) | RET08770 |
| C | PRINT OUT DISPLAY OF RATES | RET08780 |
| | CALL DISPCL | RET08790 |
| | PRINT 9344 | RET08800 |
| 9344 | FORMAT(1X, 5(' YR RATE')) | RET08810 |
| | DO 343 I=1, 35 | RET08820 |
| 343 | WRITE (6, 9345) ((INDEX(I+35*(J-1)), RATE(I+35*(J-1))), J=1, 5) | RET08830 |
| 9345 | FORMAT(1X, 5(I3, F8.5)) | RET08840 |
| | PAUSE 'PRESS S/R KEY TO CONTINUE' | RET08850 |
| C | NOW TRANSFER DATA INTO TABLE ARRAY | RET08860 |
| | DO 344 I=1, 35 | RET08870 |
| | DO 344 J=1, 5 | RET08880 |
| | TABLE(I, 2*J-1)=INDEX(I+35*(J-1)) | RET08890 |
| | TABLE(I, 2*J)=RATE(I+35*(J-1)) | RET08900 |
| 344 | CONTINUE | RET08910 |
| | GO TO 5 | RET08920 |
| C | | RET08930 |
| C | PRINT DIRECTORY OF FILES IN STORAGE | RET08940 |
| 35 | CALL DISPCL | RET08950 |
| | PRINT 9225 | RET08960 |
| | DO 10 IFILE=10, 29 | RET08970 |
| | READ (IFILE, 9222) (LABEL(I), I=1, 17) | RET08980 |
| | REWIND IFILE | RET08990 |
| 10 | WRITE (6, 9224) IFILE, (LABEL(I), I=1, 17) | RET09000 |
| | PAUSE 'PRESS S/R KEY TO CONTINUE' | RET09010 |
| | CALL DISPCL | RET09020 |
| | PRINT 9225 | RET09030 |
| | DO 11 IFILE=30, 49 | RET09040 |
| | READ (IFILE, 9222) (LABEL(I), I=1, 17) | RET09050 |
| | REWIND IFILE | RET09060 |
| 11 | WRITE (6, 9224) IFILE, (LABEL(I), I=1, 17) | RET09070 |
| | PAUSE 'PRESS S/R KEY TO CONTINUE' | RET09080 |
| | GO TO 5 | RET09090 |
| C | | RET09100 |
| C | END THE PROGRAM | RET09110 |
| 32 | STOP | RET09120 |
| | END | RET09130 |

FILE: CON FILE A
PAGE 001

VM/SP CONVERSATIONAL MONITOR SYSTEM

RUNCFR RETIRE
G1 COMPILER ENTERED
SOURCE ANALYZED
PROGRAM NAME = RETIRE
DMSLIO740I EXECUTION BEGINS...

OPTIONS ARE AS FOLLOWS:

- 1=INITIALIZE TABLE WITH ZEROS
- 2=GET A FILE FROM STORAGE
- 3=GET A SECOND FILE FROM STORAGE
- 4=DISPLAY CONTENTS OF CURRENT FILE
- 5=PUT A FILE IN STORAGE
- 6=CREATE A FILE BY YOS
- 7=CREATE A FILE BY GRADE
- 8=ADD TWO FILES
- 9=MULTIPLY TWO FILES
- 10=PUT A CAP ON A FILE
- 11=PUT A FLOOR ON A FILE
- 12=RETIREMENT COST FACTORS
- 13=RATE VECTOR OPTION
- 14=PRINT STORAGE DIRECTORY
- 15=TERMINATE

OPTION DESIRED?

?

12

GIVE:

- MAXIMUM MULTIPLIER,
- MINIMUM MULTIPLIER,
- SSAGE,
- SS OFFSET CONSTANT %,
- SS OFFSET % PER YOS,
- SS OFFSET % MAXIMUM:

?

.75 0 62 0 .01 .38

GIVE:

- ANNUAL WAGE GROWTH RATE,
- ANNUAL COLA GROWTH RATE,
- ANNUAL INTEREST RATE,
- INDEXING OPTION:IMMED=1,BY AGE=2,BY YOS=3,NONE=4,
- INDEXING POINT:SPECIFY AGE OR YOS,
- FIRST INDEXING RATE,
- SECOND INDEXING RATE,

?

FILE: CON
PAGE 002

FILE A

VM/SP CONVERSATIONAL MONITOR SYSTEM

.055 .05 .06 2 62 .5 .8

GIVE:

--PAY BASE FILE: BP=1, BMC=2, RMC=3
--PAY AVERAGE OPTION: TERM=0, HI-1=1, HI-3=3, ETC
--TYPE OF PAY: NONDISABILITY=1, DISABILITY=2, VESTING=3,
--START YOS,
--LAST YOS:
--OFFICER OUTPUT FILE #
--WARRANT OUTPUT FILE #
--ENLISTED OUTPUT FILE #

?

1 3 1 20 35 47 48 49

LABEL?

EXAMPLE OF RETIREMENT COST FILE BUILD PROGRAM

INPUT MULTIPLIER SCHEDULE--6 PAIRS OF NUMBERS (1,0.025)

?

1 .025 21 .03 25 .035 31 .04 36 0 37 0

INPUT RETIREMENT SCHEDULE--5 PAIRS OF NUMBERS (20,65)

?

1 200 20 58 24 0 36 0 37 0

DECREMENT #1 (FULL ANNUITY)

DECREMENT CHOICES--GIVE OPTION, ARGUMENT#1, ARGUMENT#2

#1=CONSTANT % (ARG1) (SET ARG2=0)

#2=CONSTANT % POINTS (ARG1) (SET ARG2=0)

#3=VARIABLE % BASED ON AGE--% REDUCTION/YR (ARG1) TIMES # OF
YEARS ANNUITY START POINT PRECEDES A CERTAIN AGE (ARG2)

#4=VARIABLE % BASED ON YOS--% REDUCTION/YR (ARG1) TIMES # OF
YEARS ANNUITY START POINT PRECEDES A CERTAIN YOS (ARG2)

#5=VARIABLE % BASED ON YOS--% REDUCTION/YR (ARG1) TIMES # OF
YEARS ANNUITY START POINT PRECEDES MAND RET POINTS
(SET ARG2=0)

#6=CONSTANT % (ARG1) IF YOS AT EXIT IS LESS THAN A CERTAIN
YOS (ARG2)

#7=FLOATING % BASED ON AGE--% REDUCTION/YR (ARG1) TIMES # OF
YEARS CURRENT AGE IS LESS THAN FULL ANNUITY START AGE
(SET ARG2=0)

?

4 .03 30

FILE: CON
PAGE 003

FILE A

VM/SP CONVERSATIONAL MONITOR SYSTEM

DECREMENT #2 (EARLY ANNUITY)

DECREMENT CHOICES--GIVE OPTION, ARGUMENT#1, ARGUMENT#2

#1=CONSTANT % (ARG1)

(SET ARG2=0)

#2=CONSTANT % POINTS (ARG1) (SET ARG2=0)

#3=VARIABLE % BASED ON AGE--% REDUCTION/YR (ARG1) TIMES # OF
YEARS ANNUITY START POINT PRECEDES A CERTAIN AGE (ARG2)

#4=VARIABLE % BASED ON YOS--% REDUCTION/YR (ARG1) TIMES # OF
YEARS ANNUITY START POINT PRECEDES A CERTAIN YOS (ARG2)

#5=VARIABLE % BASED ON YOS--% REDUCTION/YR (ARG1) TIMES # OF
YEARS ANNUITY START POINT PRECEDES MAND RET POINTS
(SET ARG2=0)

#6=CONSTANT % (ARG1) IF YOS AT EXIT IS LESS THAN A CERTAIN
YOS (ARG2)

#7=FLOATING % BASED ON AGE--% REDUCTION/YR (ARG1) TIMES # OF
YEARS CURRENT AGE IS LESS THAN FULL ANNUITY START AGE
(SET ARG2=0)

?

2 .05 0

OPTIONS ARE AS FOLLOWS:

1=INITIALIZE TABLE WITH ZEROS

2=GET A FILE FROM STORAGE

3=GET A SECOND FILE FROM STORAGE

4=DISPLAY CONTENTS OF CURRENT FILE

5=PUT A FILE IN STORAGE

6=CREATE A FILE BY YOS

7=CREATE A FILE BY GRADE

8=ADD TWO FILES

9=MULTIPLY TWO FILES

10=PUT A CAP ON A FILE

11=PUT A FLOOR ON A FILE

12=RETIREMENT COST FACTORS

13=RATE VECTOR OPTION

14=PRINT STORAGE DIRECTORY

15=TERMINATE

OPTION DESIRED?

FILE: CON
PAGE 004

FILE A

VM/SP CONVERSATIONAL MONITOR SYSTEM

?
15

R; T=23.87/26.44 10:42:51

INPUT VARIABLES:

SYSTEM: ND1S
 LABEL: EXAMPLE OF RETIREMENT COST FILE BUILD PROGRAM
 APPLICABLE TO LOSSES BETWEEN 20 AND 35 YOS.

PAY BASIS: BP HI-3
 POINTS: FREE POINTS= 0.
 RETIREMENT POINT ACCRUAL RATE/ ACTIVE YOS= 1.000
 POINTS NEEDED PER RETIREMENT YOS= 1.000

ECONOMIC ASSUMPTIONS: ANNUAL WAGE GROWTH RATE= 5.50%
 ANNUAL INFLATION (COLA)= 5.00%
 ANNUAL INTEREST RATE = 6.00%
 SS OFFSET: AGE= 62 CONSTANT % = 0.0 VAR %/YOS= 0.01

INDEXING: MAXIMUM % = 0.38
 OPTION-- AGE

STAGE #1-- 50.00% OF COLA UNTIL AGE =62
 STAGE #2-- 80.00% OF COLA UNTIL DEATH

OUTPUT FILE LOCATIONS: OFFICER=47
 WARRANT=48
 ENLISTED=49

BASIC MULTIPLIER ACCRUAL SCHEDULE:

FOR EVERY COMPLETED YOS BETWEEN 1 AND 20 (INCLUSIVE), YOU GET 2.50 PERCENTAGE POINTS.
 FOR EVERY COMPLETED YOS BETWEEN 21 AND 24 (INCLUSIVE), YOU GET 3.00 PERCENTAGE POINTS.
 FOR EVERY COMPLETED YOS BETWEEN 25 AND 30 (INCLUSIVE), YOU GET 3.50 PERCENTAGE POINTS.
 FOR EVERY COMPLETED YOS BETWEEN 31 AND 35 (INCLUSIVE), YOU GET 4.00 PERCENTAGE POINTS.
 FOR EVERY COMPLETED YOS BETWEEN 36 AND 39 (INCLUSIVE), YOU GET 0.0 PERCENTAGE POINTS.
 FOR EVERY COMPLETED YOS BETWEEN 40 AND 99 (INCLUSIVE), YOU GET 0.0 PERCENTAGE POINTS.
 HOWEVER, YOUR TOTAL MULTIPLIER IS LIMITED TO 0.0 --75.00 PERCENTAGE POINTS.

FULL ANNUITY START POINT SCHEDULE:

IF YOU LEAVE SERVICE WITH BETWEEN 1 AND 19 YOS (INCLUSIVE), YOUR FULL ANNUITY STARTS AT 200 AGE/YOS
 IF YOU LEAVE SERVICE WITH BETWEEN 20 AND 23 YOS (INCLUSIVE), YOUR FULL ANNUITY STARTS AT 58 AGE/YOS
 IF YOU LEAVE SERVICE WITH BETWEEN 24 AND 35 YOS (INCLUSIVE), YOUR FULL ANNUITY STARTS AT 0 AGE/YOS
 IF YOU LEAVE SERVICE WITH BETWEEN 36 AND 39 YOS (INCLUSIVE), YOUR FULL ANNUITY STARTS AT 0 AGE/YOS
 IF YOU LEAVE SERVICE WITH BETWEEN 40 AND 99 YOS (INCLUSIVE), YOUR FULL ANNUITY STARTS AT 0 AGE/YOS

FULL ANNUITY MULTIPLIER=BASIC MULTIPLIER LESS DECREMENT #1; DECREMENT #1 OPTION IS:

#4=VARIABLE % BASED ON YOS-- 3.000 % REDUCTION/YR TIMES # OF YEARS ANNUITY START POINT PRECEDES 30 YOS

EARLY ANNUITY MULTIPLIER=FULL ANNUITY MULTIPLIER LESS DECREMENT #2; DECREMENT #2 OPTION IS:

#2= 5.000 % POINTS

EXAMPLE FOR GRADE G- 5 AND 23 YOS, BP=3140. RETIREMENT OPTION=H1- 3

| K | SV | AG | MGF | RPB | CRPG | CRPB | RY | BM | DECR1 | FM | DECR2 | CH | PAY | AVG | OPTION=H1- 3 | SS | SBP | MISC | NA | POP | DR | MY | COST |
|----|----|-----|-------|------|------|------|----|-------|-------|-------|-------|-------|------|-----|--------------|----|-----|------|------|-------|-------|-------|-----------|
| 1 | 23 | 46 | 1.000 | 2809 | 1.00 | 2809 | 23 | 0.590 | 0.210 | 0.380 | 0.050 | 0.330 | 927. | 0. | 0. | 0. | 0. | 0. | 927. | 5000. | 0.003 | 4992. | 4626914. |
| 2 | 24 | 47 | 0.948 | 2662 | 1.02 | 2729 | 23 | 0.590 | 0.210 | 0.380 | 0.050 | 0.330 | 901. | 0. | 0. | 0. | 0. | 0. | 901. | 4984. | 0.004 | 4975. | 4479835. |
| 3 | 25 | 48 | 0.898 | 2528 | 1.05 | 2651 | 23 | 0.590 | 0.210 | 0.380 | 0.050 | 0.330 | 875. | 0. | 0. | 0. | 0. | 0. | 875. | 4966. | 0.004 | 4956. | 4336129. |
| 4 | 26 | 49 | 0.852 | 2392 | 1.08 | 2576 | 23 | 0.590 | 0.210 | 0.380 | 0.050 | 0.330 | 850. | 0. | 0. | 0. | 0. | 0. | 850. | 4946. | 0.004 | 4936. | 4195554. |
| 5 | 27 | 50 | 0.807 | 2267 | 1.10 | 2503 | 23 | 0.590 | 0.210 | 0.380 | 0.050 | 0.330 | 826. | 0. | 0. | 0. | 0. | 0. | 826. | 4925. | 0.005 | 4913. | 4057912. |
| 6 | 28 | 51 | 0.765 | 2149 | 1.13 | 2432 | 23 | 0.590 | 0.210 | 0.380 | 0.050 | 0.330 | 802. | 0. | 0. | 0. | 0. | 0. | 802. | 4902. | 0.005 | 4889. | 3923207. |
| 7 | 29 | 52 | 0.725 | 2037 | 1.16 | 2362 | 23 | 0.590 | 0.210 | 0.380 | 0.050 | 0.330 | 780. | 0. | 0. | 0. | 0. | 0. | 780. | 4877. | 0.006 | 4863. | 3791254. |
| 8 | 30 | 53 | 0.687 | 1931 | 1.19 | 2295 | 23 | 0.590 | 0.210 | 0.380 | 0.050 | 0.330 | 757. | 0. | 0. | 0. | 0. | 0. | 757. | 4849. | 0.006 | 4835. | 3661900. |
| 9 | 31 | 54 | 0.652 | 1830 | 1.22 | 2230 | 23 | 0.590 | 0.210 | 0.380 | 0.050 | 0.330 | 736. | 0. | 0. | 0. | 0. | 0. | 736. | 4820. | 0.007 | 4804. | 3535007. |
| 10 | 32 | 55 | 0.618 | 1735 | 1.25 | 2167 | 23 | 0.590 | 0.210 | 0.380 | 0.050 | 0.330 | 715. | 0. | 0. | 0. | 0. | 0. | 715. | 4788. | 0.007 | 4770. | 3410446. |
| 11 | 33 | 56 | 0.585 | 1644 | 1.28 | 2105 | 23 | 0.590 | 0.210 | 0.380 | 0.050 | 0.330 | 695. | 0. | 0. | 0. | 0. | 0. | 695. | 4753. | 0.008 | 4734. | 3288291. |
| 12 | 34 | 57 | 0.555 | 1559 | 1.31 | 2045 | 23 | 0.590 | 0.210 | 0.380 | 0.050 | 0.330 | 675. | 0. | 0. | 0. | 0. | 0. | 675. | 4715. | 0.009 | 4695. | 3168272. |
| 13 | 35 | 58 | 0.526 | 1477 | 1.34 | 1987 | 23 | 0.590 | 0.210 | 0.380 | 0.050 | 0.330 | 655. | 0. | 0. | 0. | 0. | 0. | 655. | 4674. | 0.009 | 4652. | 3051249. |
| 14 | 36 | 59 | 0.499 | 1400 | 1.38 | 1930 | 23 | 0.590 | 0.210 | 0.380 | 0.050 | 0.330 | 634. | 0. | 0. | 0. | 0. | 0. | 634. | 4630. | 0.010 | 4606. | 2939009. |
| 15 | 37 | 60 | 0.473 | 1327 | 1.41 | 1876 | 23 | 0.590 | 0.210 | 0.380 | 0.050 | 0.330 | 613. | 0. | 0. | 0. | 0. | 0. | 613. | 4582. | 0.011 | 4557. | 2827638. |
| 16 | 38 | 61 | 0.448 | 1258 | 1.45 | 1822 | 23 | 0.590 | 0.210 | 0.380 | 0.050 | 0.330 | 592. | 0. | 0. | 0. | 0. | 0. | 613. | 4531. | 0.012 | 4503. | 27118382. |
| 17 | 39 | 62 | 0.425 | 1193 | 1.48 | 1770 | 23 | 0.590 | 0.210 | 0.380 | 0.050 | 0.330 | 573. | 0. | 0. | 0. | 0. | 0. | 649. | 4476. | 0.013 | 4446. | 2596885. |
| 18 | 40 | 63 | 0.402 | 1130 | 1.54 | 1745 | 23 | 0.590 | 0.210 | 0.380 | 0.050 | 0.330 | 554. | 0. | 0. | 0. | 0. | 0. | 641. | 4416. | 0.015 | 4384. | 24810047. |
| 19 | 41 | 64 | 0.381 | 1071 | 1.61 | 1720 | 23 | 0.590 | 0.210 | 0.380 | 0.050 | 0.330 | 535. | 0. | 0. | 0. | 0. | 0. | 633. | 4352. | 0.016 | 4317. | 23731363. |
| 20 | 42 | 65 | 0.362 | 1016 | 1.67 | 1696 | 23 | 0.590 | 0.210 | 0.380 | 0.050 | 0.330 | 514. | 0. | 0. | 0. | 0. | 0. | 625. | 4282. | 0.017 | 4245. | 22650831. |
| 21 | 43 | 66 | 0.343 | 963 | 1.74 | 1672 | 23 | 0.590 | 0.210 | 0.380 | 0.050 | 0.330 | 493. | 0. | 0. | 0. | 0. | 0. | 616. | 4207. | 0.019 | 4167. | 21568236. |
| 22 | 44 | 67 | 0.325 | 913 | 1.81 | 1648 | 23 | 0.590 | 0.210 | 0.380 | 0.050 | 0.330 | 472. | 0. | 0. | 0. | 0. | 0. | 608. | 4126. | 0.021 | 4082. | 20483406. |
| 23 | 45 | 68 | 0.308 | 865 | 1.88 | 1625 | 23 | 0.590 | 0.210 | 0.380 | 0.050 | 0.330 | 451. | 0. | 0. | 0. | 0. | 0. | 600. | 4039. | 0.023 | 3991. | 19396127. |
| 24 | 46 | 69 | 0.292 | 820 | 1.95 | 1602 | 23 | 0.590 | 0.210 | 0.380 | 0.050 | 0.330 | 430. | 0. | 0. | 0. | 0. | 0. | 592. | 3944. | 0.026 | 3893. | 18306260. |
| 25 | 47 | 70 | 0.277 | 777 | 2.03 | 1579 | 23 | 0.590 | 0.210 | 0.380 | 0.050 | 0.330 | 409. | 0. | 0. | 0. | 0. | 0. | 585. | 3842. | 0.029 | 3786. | 17213761. |
| 26 | 48 | 71 | 0.262 | 737 | 2.11 | 1556 | 23 | 0.590 | 0.210 | 0.380 | 0.050 | 0.330 | 388. | 0. | 0. | 0. | 0. | 0. | 577. | 3731. | 0.032 | 3672. | 16118448. |
| 27 | 49 | 72 | 0.249 | 698 | 2.20 | 1534 | 23 | 0.590 | 0.210 | 0.380 | 0.050 | 0.330 | 367. | 0. | 0. | 0. | 0. | 0. | 569. | 3613. | 0.035 | 3549. | 15020273. |
| 28 | 50 | 73 | 0.236 | 662 | 2.29 | 1512 | 23 | 0.590 | 0.210 | 0.380 | 0.050 | 0.330 | 346. | 0. | 0. | 0. | 0. | 0. | 562. | 3485. | 0.039 | 3417. | 13919212. |
| 29 | 51 | 74 | 0.223 | 627 | 2.38 | 1491 | 23 | 0.590 | 0.210 | 0.380 | 0.050 | 0.330 | 325. | 0. | 0. | 0. | 0. | 0. | 554. | 3348. | 0.043 | 3276. | 12815393. |
| 30 | 52 | 75 | 0.212 | 595 | 2.47 | 1470 | 23 | 0.590 | 0.210 | 0.380 | 0.050 | 0.330 | 304. | 0. | 0. | 0. | 0. | 0. | 547. | 3203. | 0.048 | 3126. | 11709086. |
| 31 | 53 | 76 | 0.201 | 564 | 2.57 | 1449 | 23 | 0.590 | 0.210 | 0.380 | 0.050 | 0.330 | 283. | 0. | 0. | 0. | 0. | 0. | 539. | 3048. | 0.053 | 2967. | 10600623. |
| 32 | 54 | 77 | 0.190 | 534 | 2.67 | 1428 | 23 | 0.590 | 0.210 | 0.380 | 0.050 | 0.330 | 262. | 0. | 0. | 0. | 0. | 0. | 532. | 2886. | 0.059 | 2800. | 9490410. |
| 33 | 55 | 78 | 0.180 | 506 | 2.78 | 1408 | 23 | 0.590 | 0.210 | 0.380 | 0.050 | 0.330 | 241. | 0. | 0. | 0. | 0. | 0. | 525. | 2715. | 0.065 | 2626. | 8379020. |
| 34 | 56 | 79 | 0.171 | 480 | 2.89 | 1388 | 23 | 0.590 | 0.210 | 0.380 | 0.050 | 0.330 | 220. | 0. | 0. | 0. | 0. | 0. | 518. | 2538. | 0.072 | 2446. | 7267035. |
| 35 | 57 | 80 | 0.162 | 455 | 3.01 | 1368 | 23 | 0.590 | 0.210 | 0.380 | 0.050 | 0.330 | 200. | 0. | 0. | 0. | 0. | 0. | 511. | 2355. | 0.080 | 2261. | 6155203. |
| 36 | 58 | 81 | 0.154 | 431 | 3.13 | 1349 | 23 | 0.590 | 0.210 | 0.380 | 0.050 | 0.330 | 179. | 0. | 0. | 0. | 0. | 0. | 504. | 2167. | 0.088 | 2072. | 5044469. |
| 37 | 59 | 82 | 0.146 | 409 | 3.25 | 1330 | 23 | 0.590 | 0.210 | 0.380 | 0.050 | 0.330 | 158. | 0. | 0. | 0. | 0. | 0. | 497. | 1977. | 0.095 | 1883. | 3936149. |
| 38 | 60 | 83 | 0.138 | 387 | 3.38 | 1311 | 23 | 0.590 | 0.210 | 0.380 | 0.050 | 0.330 | 137. | 0. | 0. | 0. | 0. | 0. | 490. | 1788. | 0.104 | 1695. | 2831456. |
| 39 | 61 | 84 | 0.131 | 367 | 3.52 | 1292 | 23 | 0.590 | 0.210 | 0.380 | 0.050 | 0.330 | 116. | 0. | 0. | 0. | 0. | 0. | 484. | 1602. | 0.113 | 1511. | 1731145. |
| 40 | 62 | 85 | 0.124 | 348 | 3.66 | 1274 | 23 | 0.590 | 0.210 | 0.380 | 0.050 | 0.330 | 95. | 0. | 0. | 0. | 0. | 0. | 477. | 1421. | 0.124 | 1333. | 635927. |
| 41 | 63 | 86 | 0.117 | 330 | 3.81 | 1256 | 23 | 0.590 | 0.210 | 0.380 | 0.050 | 0.330 | 74. | 0. | 0. | 0. | 0. | 0. | 471. | 1245. | 0.138 | 1159. | 545605. |
| 42 | 64 | 87 | 0.111 | 313 | 3.96 | 1238 | 23 | 0.590 | 0.210 | 0.380 | 0.050 | 0.330 | 53. | 0. | 0. | 0. | 0. | 0. | 464. | 1074. | 0.152 | 992. | 460597. |
| 43 | 65 | 88 | 0.106 | 296 | 4.12 | 1220 | 23 | 0.590 | 0.210 | 0.380 | 0.050 | 0.330 | 32. | 0. | 0. | 0. | 0. | 0. | 458. | 911. | 0.166 | 836. | 382492. |
| 44 | 66 | 89 | 0.100 | 281 | 4.28 | 1203 | 23 | 0.590 | 0.210 | 0.380 | 0.050 | 0.330 | 11. | 0. | 0. | 0. | 0. | 0. | 452. | 760. | 0.179 | 692. | 312382. |
| 45 | 67 | 90 | 0.095 | 266 | 4.45 | 1186 | 23 | 0.590 | 0.210 | 0.380 | 0.050 | 0.330 | 0. | 0. | 0. | 0. | 0. | 0. | 445. | 624. | 0.193 | 563. | 250841. |
| 46 | 68 | 91 | 0.090 | 252 | 4.63 | 1169 | 23 | 0.590 | 0.210 | 0.380 | 0.050 | 0.330 | 0. | 0. | 0. | 0. | 0. | 0. | 439. | 503. | 0.207 | 451. | 197971. |
| 47 | 69 | 92 | 0.085 | 239 | 4.81 | 1152 | 23 | 0.590 | 0.210 | 0.380 | 0.050 | 0.330 | 0. | 0. | 0. | 0. | 0. | 0. | 433. | 399. | 0.221 | 354. | 153520. |
| 48 | 70 | 93 | 0.081 | 227 | 5.01 | 1136 | 23 | 0.590 | 0.210 | 0.380 | 0.050 | 0.330 | 0. | 0. | 0. | 0. | 0. | 0. | 427. | 310. | 0.235 | 274. | 116937. |
| 49 | 71 | 94 | 0.077 | 215 | 5.21 | 1120 | 23 | 0.590 | 0.210 | 0.380 | 0.050 | 0.330 | 0. | 0. | 0. | 0. | 0. | 0. | 421. | 237. | 0.249 | 208. | 87464. |
| 50 | 72 | 95 | 0.073 | 204 | 5.42 | 1104 | 23 | 0.590 | 0.210 | 0.380 | 0.050 | 0.330 | 0. | 0. | 0. | 0. | 0. | 0. | 415. | 178. | 0.263 | 155. | 64215. |
| 51 | 73 | 96 | 0.069 | 193 | 5.63 | 1088 | 23 | 0.590 | 0.210 | 0.380 | 0.050 | 0.330 | 0. | 0. | 0. | 0. | 0. | 0. | 410. | 131. | 0.277 | 113. | 46264. |
| 52 | 74 | 97 | 0.065 | 183 | 5.86 | 1073 | 23 | 0.590 | 0.210 | 0.380 | 0.050 | 0.330 | 0. | 0. | 0. | 0. | 0. | 0. | 404. | 95. | 0.291 | 81. | 32694. |
| 53 | 75 | 98 | 0.062 | 174 | 6.09 | 1057 | 23 | 0.590 | 0.210 | 0.380 | 0.050 | 0.330 | 0. | 0. | 0. | 0. | 0. | 0. | 398. | 67. | 0.305 | 57. | 22655. |
| 54 | 76 | 99 | 0.059 | 165 | 6.34 | 1042 | 23 | 0.590 | 0.210 | 0.380 | 0.050 | 0.330 | 0. | 0. | 0. | 0. | 0. | 0. | 393. | 47. | 0.320 | 39. | 15387. |
| 55 | 77 | 100 | 0.056 | 156 | 6.59 | 1027 | 23 | 0.590 | 0.210 | 0.380 | 0.050 | 0.330 | 0. | 0. | 0. | 0. | 0. | 0. | 387. | 32. | 0.337 | 26. | 10220. |
| 56 | 78 | 101 | 0.053 | 148 | 6.85 | 1013 | 23 | 0.590 | 0.210 | 0.380 | 0.050 | 0.330 | 0. | 0. | 0. | 0. | 0. | 0. | 382. | 21. | 0.355 | 17. | 6613. |
| 57 | 79 | 102 | 0.050 | 140 | 7.13 | 998 | 23 | 0.590 | 0.210 | 0.380 | 0.050 | 0.330 | 0. | 0. | 0. | 0. | 0. | 0. | 377. | 14. | 0.374 | 11. | 4159. |
| 58 | 80 | 103 | 0.047 | 133 | 7.41 | 984 | 23 | 0.590 | 0.210 | 0.380 | 0.050 | 0.330 | 0. | 0. | 0. | 0. | 0. | 0. | 371. | 9. | 0.394 | 7. | 2537. |
| 59 | 81 | 104 | 0.045 | 126 | 7.71 | 970 | 23 | 0.590 | 0.210 | 0.380 | 0.050 | 0.330 | 0. | 0. | 0. | 0. | 0. | 0. | 366. | 5. | 0.415 | 4. | 1497. |

| | | | | | | | | | | | | | | | | | | | | | |
|----|----|-----|-------|------|------|------|----|-------|-------|-------|-----|-------|------|----|----|----|------|----|-------|----|------|
| 60 | 82 | 105 | 0.042 | 119. | 8.02 | 956. | 23 | 0.590 | 0.210 | 0.380 | 0.0 | 0.380 | 363. | 2. | 0. | 0. | 361. | 3. | 6.437 | 2. | 851. |
| 61 | 83 | 106 | 0.040 | 113. | 8.34 | 943. | 23 | 0.590 | 0.210 | 0.380 | 0.0 | 0.380 | 358. | 2. | 0. | 0. | 356. | 2. | 0.461 | 1. | 465. |
| 62 | 84 | 107 | 0.038 | 107. | 8.67 | 929. | 23 | 0.590 | 0.210 | 0.380 | 0.0 | 0.380 | 353. | 2. | 0. | 0. | 351. | 1. | 0.485 | 1. | 243. |
| 63 | 85 | 108 | 0.036 | 102. | 9.02 | 916. | 23 | 0.590 | 0.210 | 0.380 | 0.0 | 0.380 | 348. | 2. | 0. | 0. | 346. | 0. | 0.512 | 0. | 121. |
| 64 | 86 | 109 | 0.034 | 96. | 9.38 | 903. | 23 | 0.590 | 0.210 | 0.380 | 0.0 | 0.380 | 343. | 2. | 0. | 0. | 341. | 0. | 0.539 | 0. | 57. |
| 55 | 87 | 110 | 0.032 | 91. | 9.75 | 890. | 23 | 0.590 | 0.210 | 0.380 | 0.0 | 0.380 | 338. | 2. | 0. | 0. | 337. | 0. | 1.000 | 0. | 18. |

| I | TOTAL RETIRED PAY | | | | EXP. LIFE | AVG RETIRED PAY | | | | |
|----|-------------------|---------|---------|---------|-----------|-----------------|---------|--------|--------|--------|
| | G-1 | G-2 | G-3 | G-4 | | G-4 | G-5 | G-6 | | |
| 20 | 55371. | 70667. | 95856. | 109673. | 34.46 | 121566. | 136094. | 3183. | 3528. | 3950. |
| 21 | 74150. | 94551. | 128146. | 147889. | 33.54 | 166326. | 185514. | 4409. | 4958. | 5531. |
| 22 | 92310. | 117663. | 159413. | 184723. | 32.64 | 210773. | 234185. | 5660. | 6458. | 7176. |
| 23 | 109825. | 139974. | 189619. | 219717. | 31.73 | 254756. | 283462. | 6924. | 8028. | 8933. |
| 24 | 133559. | 170184. | 230495. | 267058. | 30.84 | 314766. | 352475. | 8660. | 10208. | 11430. |
| 25 | 150751. | 192119. | 260240. | 301538. | 29.95 | 359426. | 405352. | 10069. | 12062. | 13536. |
| 26 | 167172. | 213100. | 288730. | 334581. | 29.06 | 400556. | 453699. | 11513. | 13797. | 15612. |
| 27 | 182813. | 233119. | 315959. | 366180. | 28.19 | 438882. | 504304. | 12992. | 15571. | 17893. |
| 28 | 194727. | 248447. | 336909. | 390539. | 27.32 | 468175. | 553525. | 14297. | 17139. | 20264. |
| 29 | 198783. | 253845. | 344515. | 399483. | 26.45 | 479058. | 581585. | 15101. | 18110. | 21985. |
| 30 | 202343. | 258655. | 351386. | 407604. | 25.60 | 488986. | 601137. | 15922. | 19101. | 23482. |
| 31 | 197114. | 252375. | 343375. | 398544. | 24.75 | 478408. | 588465. | 16100. | 19327. | 23773. |
| 32 | 191882. | 246088. | 335351. | 389467. | 23.52 | 467806. | 575163. | 16284. | 19559. | 24073. |
| 33 | 186523. | 239669. | 327187. | 380244. | 23.09 | 457051. | 562896. | 16468. | 19795. | 24379. |
| 34 | 181139. | 233219. | 318980. | 370972. | 22.27 | 446238. | 549599. | 16659. | 20036. | 24696. |
| 35 | 175607. | 226623. | 310631. | 361561. | 21.46 | 435289. | 536891. | 16848. | 20283. | 25018. |

ANNUAL COST FACTORS FOR RETIRED PAY

| | | | | | | | | |
|----|---------|---------|---------|---------|---------|---------|---------|---------|
| 1 | 55371. | 70667. | 95856. | 121566. | 136094. | 176172. | 177756. | 177756. |
| 2 | 55371. | 70667. | 95856. | 121566. | 136094. | 176172. | 177756. | 177756. |
| 3 | 55371. | 70667. | 95856. | 121566. | 136094. | 176172. | 177756. | 177756. |
| 4 | 55371. | 70667. | 95856. | 121566. | 136094. | 176172. | 177756. | 177756. |
| 5 | 55371. | 70667. | 95856. | 121566. | 136094. | 176172. | 177756. | 177756. |
| 6 | 55371. | 70667. | 95856. | 121566. | 136094. | 176172. | 177756. | 177756. |
| 7 | 55371. | 70667. | 95856. | 121566. | 136094. | 176172. | 177756. | 177756. |
| 8 | 55371. | 70667. | 95856. | 121566. | 136094. | 176172. | 177756. | 177756. |
| 9 | 55371. | 70667. | 95856. | 121566. | 136094. | 176172. | 177756. | 177756. |
| 10 | 55371. | 70667. | 95856. | 121566. | 136094. | 176172. | 177756. | 177756. |
| 11 | 55371. | 70667. | 95856. | 121566. | 136094. | 176172. | 177756. | 177756. |
| 12 | 55371. | 70667. | 95856. | 121566. | 136094. | 176172. | 177756. | 177756. |
| 13 | 55371. | 70667. | 95856. | 121566. | 136094. | 176172. | 177756. | 177756. |
| 14 | 55371. | 70667. | 95856. | 121566. | 136094. | 176172. | 177756. | 177756. |
| 15 | 55371. | 70667. | 95856. | 121566. | 136094. | 176172. | 177756. | 177756. |
| 16 | 55371. | 70667. | 95856. | 121566. | 136094. | 176172. | 177756. | 177756. |
| 17 | 55371. | 70667. | 95856. | 121566. | 136094. | 176172. | 177756. | 177756. |
| 18 | 55371. | 70667. | 95856. | 121566. | 136094. | 176172. | 177756. | 177756. |
| 19 | 55371. | 70667. | 95856. | 121566. | 136094. | 176172. | 177756. | 177756. |
| 20 | 55371. | 70667. | 95856. | 121566. | 136094. | 176172. | 177756. | 177756. |
| 21 | 74150. | 94551. | 128146. | 166326. | 185514. | 237377. | 237377. | 237377. |
| 22 | 92310. | 117663. | 159413. | 210773. | 234185. | 295158. | 295158. | 295158. |
| 23 | 109825. | 139974. | 189619. | 254756. | 283452. | 351038. | 351038. | 351038. |
| 24 | 133559. | 170184. | 230495. | 314766. | 352475. | 426591. | 426591. | 426591. |
| 25 | 150751. | 192119. | 260240. | 359426. | 405352. | 481729. | 481729. | 481729. |
| 26 | 167172. | 213100. | 288730. | 400956. | 453699. | 534635. | 534635. | 534635. |
| 27 | 182813. | 233119. | 315959. | 438882. | 504304. | 585304. | 585304. | 585304. |
| 28 | 194727. | 248447. | 336909. | 468175. | 535525. | 624536. | 624536. | 624536. |
| 29 | 198783. | 253845. | 344515. | 479058. | 581585. | 639321. | 639321. | 639321. |
| 30 | 202343. | 258655. | 351386. | 488986. | 601137. | 652885. | 652885. | 652885. |
| 31 | 197114. | 252375. | 343375. | 478408. | 588465. | 639253. | 639253. | 639253. |
| 32 | 191882. | 246088. | 335351. | 467806. | 575763. | 625582. | 625582. | 625582. |
| 33 | 186523. | 239669. | 327187. | 457051. | 562896. | 611741. | 611741. | 611741. |
| 34 | 181139. | 233219. | 318980. | 446238. | 549959. | 597824. | 597824. | 597824. |
| 35 | 175607. | 226623. | 310631. | 435289. | 536891. | 583778. | 583778. | 583778. |

[illegible]

EXAMPLE FOR GRADE C-3 AND 21 YOS, BP=1917, RETIREMENT OPTION=NDIS

| K SV AG | | WGF | RPB | RPBF | CRPB | RY | BM | DECR1 | FM | DECR2 | CM | PAY AVG OPTION=HI-3 | | | MA | PDP | DR | MY | COST | |
|---------|----|-----|-------|-------|------|-------|----|-------|-------|-------|-------|---------------------|------|-----|------|------|-------|-------|-------|----------|
| | | | | | | | | | | | | CA | SS | SBP | MISC | | | | | |
| 1 | 21 | 41 | 1.000 | 1710. | 1.00 | 1710. | 21 | 0.530 | 0.270 | 0.260 | 0.050 | 0.210 | 359. | 0. | 0. | 359. | 5000. | 0.002 | 4994. | 1793178. |
| 2 | 22 | 42 | 0.948 | 1621. | 1.02 | 1661. | 21 | 0.530 | 0.270 | 0.260 | 0.050 | 0.210 | 349. | 0. | 0. | 349. | 4989. | 0.002 | 4983. | 1738092. |
| 3 | 23 | 43 | 0.898 | 1536. | 1.05 | 1614. | 21 | 0.530 | 0.270 | 0.260 | 0.050 | 0.210 | 339. | 0. | 0. | 339. | 4977. | 0.003 | 4970. | 1684446. |
| 4 | 24 | 44 | 0.852 | 1456. | 1.08 | 1568. | 21 | 0.530 | 0.270 | 0.260 | 0.050 | 0.210 | 329. | 0. | 0. | 329. | 4964. | 0.003 | 4957. | 1632131. |
| 5 | 25 | 45 | 0.807 | 1380. | 1.10 | 1523. | 21 | 0.530 | 0.270 | 0.260 | 0.050 | 0.210 | 320. | 0. | 0. | 320. | 4950. | 0.003 | 4942. | 1581121. |
| 6 | 26 | 46 | 0.765 | 1308. | 1.13 | 1480. | 21 | 0.530 | 0.270 | 0.260 | 0.050 | 0.210 | 311. | 0. | 0. | 311. | 4935. | 0.003 | 4927. | 1531322. |
| 7 | 27 | 47 | 0.725 | 1240. | 1.16 | 1438. | 21 | 0.530 | 0.270 | 0.260 | 0.050 | 0.210 | 302. | 0. | 0. | 302. | 4919. | 0.004 | 4910. | 1482645. |
| 8 | 28 | 48 | 0.687 | 1175. | 1.19 | 1397. | 21 | 0.530 | 0.270 | 0.260 | 0.050 | 0.210 | 293. | 0. | 0. | 293. | 4901. | 0.004 | 4891. | 1435083. |
| 9 | 29 | 49 | 0.652 | 1114. | 1.22 | 1357. | 21 | 0.530 | 0.270 | 0.260 | 0.050 | 0.210 | 285. | 0. | 0. | 285. | 4882. | 0.004 | 4871. | 1388562. |
| 10 | 30 | 50 | 0.618 | 1056. | 1.25 | 1319. | 21 | 0.530 | 0.270 | 0.260 | 0.050 | 0.210 | 277. | 0. | 0. | 277. | 4861. | 0.005 | 4849. | 1343005. |
| 11 | 31 | 51 | 0.585 | 1001. | 1.28 | 1281. | 21 | 0.530 | 0.270 | 0.260 | 0.050 | 0.210 | 269. | 0. | 0. | 269. | 4838. | 0.005 | 4826. | 1298423. |
| 12 | 32 | 52 | 0.555 | 949. | 1.31 | 1245. | 21 | 0.530 | 0.270 | 0.260 | 0.050 | 0.210 | 261. | 0. | 0. | 261. | 4813. | 0.006 | 4800. | 1254752. |
| 13 | 33 | 53 | 0.526 | 899. | 1.34 | 1209. | 21 | 0.530 | 0.270 | 0.260 | 0.050 | 0.210 | 254. | 0. | 0. | 254. | 4786. | 0.006 | 4772. | 1211941. |
| 14 | 34 | 54 | 0.499 | 852. | 1.38 | 1175. | 21 | 0.530 | 0.270 | 0.260 | 0.050 | 0.210 | 247. | 0. | 0. | 247. | 4757. | 0.007 | 4741. | 1169944. |
| 15 | 35 | 55 | 0.473 | 808. | 1.41 | 1142. | 21 | 0.530 | 0.270 | 0.260 | 0.050 | 0.210 | 240. | 0. | 0. | 240. | 4725. | 0.007 | 4708. | 1128718. |
| 16 | 36 | 56 | 0.448 | 766. | 1.45 | 1109. | 21 | 0.530 | 0.270 | 0.260 | 0.050 | 0.210 | 233. | 0. | 0. | 233. | 4691. | 0.008 | 4672. | 1088289. |
| 17 | 37 | 57 | 0.425 | 726. | 1.48 | 1078. | 21 | 0.530 | 0.270 | 0.260 | 0.050 | 0.210 | 226. | 0. | 0. | 226. | 4654. | 0.009 | 4633. | 1048569. |
| 18 | 38 | 58 | 0.402 | 688. | 1.52 | 1047. | 21 | 0.530 | 0.270 | 0.260 | 0.0 | 0.260 | 222. | 0. | 0. | 222. | 4613. | 0.009 | 4591. | 1242397. |
| 19 | 39 | 59 | 0.381 | 652. | 1.56 | 1017. | 21 | 0.530 | 0.270 | 0.260 | 0.0 | 0.260 | 214. | 0. | 0. | 214. | 4570. | 0.010 | 4546. | 1156550. |
| 20 | 40 | 60 | 0.362 | 618. | 1.60 | 988. | 21 | 0.530 | 0.270 | 0.260 | 0.0 | 0.260 | 207. | 0. | 0. | 207. | 4523. | 0.011 | 4497. | 1109655. |
| 21 | 41 | 61 | 0.343 | 586. | 1.64 | 960. | 21 | 0.530 | 0.270 | 0.260 | 0.0 | 0.260 | 200. | 0. | 0. | 200. | 4472. | 0.012 | 4445. | 1064359. |
| 22 | 42 | 62 | 0.325 | 555. | 1.68 | 933. | 21 | 0.530 | 0.270 | 0.260 | 0.0 | 0.260 | 193. | 0. | 0. | 193. | 4417. | 0.013 | 4388. | 1034594. |
| 23 | 43 | 63 | 0.308 | 526. | 1.75 | 920. | 21 | 0.530 | 0.270 | 0.260 | 0.0 | 0.260 | 186. | 0. | 0. | 186. | 4359. | 0.015 | 4327. | 1004286. |
| 24 | 44 | 64 | 0.292 | 499. | 1.82 | 907. | 21 | 0.530 | 0.270 | 0.260 | 0.0 | 0.260 | 179. | 0. | 0. | 179. | 4295. | 0.016 | 4261. | 973431. |
| 25 | 45 | 65 | 0.277 | 473. | 1.89 | 894. | 21 | 0.530 | 0.270 | 0.260 | 0.0 | 0.260 | 172. | 0. | 0. | 172. | 4226. | 0.017 | 4189. | 941941. |
| 26 | 46 | 66 | 0.262 | 448. | 1.96 | 881. | 21 | 0.530 | 0.270 | 0.260 | 0.0 | 0.260 | 165. | 0. | 0. | 165. | 4152. | 0.019 | 4112. | 909756. |
| 27 | 47 | 67 | 0.249 | 425. | 2.04 | 868. | 21 | 0.530 | 0.270 | 0.260 | 0.0 | 0.260 | 158. | 0. | 0. | 158. | 4072. | 0.021 | 4029. | 876789. |
| 28 | 48 | 68 | 0.236 | 403. | 2.13 | 856. | 21 | 0.530 | 0.270 | 0.260 | 0.0 | 0.260 | 151. | 0. | 0. | 151. | 3986. | 0.023 | 3939. | 842987. |
| 29 | 49 | 69 | 0.223 | 382. | 2.21 | 844. | 21 | 0.530 | 0.270 | 0.260 | 0.0 | 0.260 | 144. | 0. | 0. | 144. | 3892. | 0.026 | 3842. | 808331. |
| 30 | 50 | 70 | 0.212 | 362. | 2.30 | 832. | 21 | 0.530 | 0.270 | 0.260 | 0.0 | 0.260 | 137. | 0. | 0. | 137. | 3791. | 0.029 | 3737. | 772752. |
| 31 | 51 | 71 | 0.201 | 343. | 2.39 | 820. | 21 | 0.530 | 0.270 | 0.260 | 0.0 | 0.260 | 130. | 0. | 0. | 130. | 3683. | 0.032 | 3624. | 736230. |
| 32 | 52 | 72 | 0.190 | 325. | 2.49 | 808. | 21 | 0.530 | 0.270 | 0.260 | 0.0 | 0.260 | 123. | 0. | 0. | 123. | 3566. | 0.035 | 3503. | 693754. |
| 33 | 53 | 73 | 0.180 | 308. | 2.59 | 797. | 21 | 0.530 | 0.270 | 0.260 | 0.0 | 0.260 | 116. | 0. | 0. | 116. | 3440. | 0.039 | 3372. | 660366. |
| 34 | 54 | 74 | 0.171 | 292. | 2.69 | 786. | 21 | 0.530 | 0.270 | 0.260 | 0.0 | 0.260 | 109. | 0. | 0. | 109. | 3305. | 0.043 | 3233. | 621165. |
| 35 | 55 | 75 | 0.162 | 277. | 2.80 | 774. | 21 | 0.530 | 0.270 | 0.260 | 0.0 | 0.260 | 102. | 0. | 0. | 102. | 3161. | 0.048 | 3085. | 581266. |
| 36 | 56 | 76 | 0.154 | 262. | 2.91 | 763. | 21 | 0.530 | 0.270 | 0.260 | 0.0 | 0.260 | 95. | 0. | 0. | 95. | 3009. | 0.053 | 2928. | 540816. |
| 37 | 57 | 77 | 0.146 | 245. | 3.02 | 753. | 21 | 0.530 | 0.270 | 0.260 | 0.0 | 0.260 | 88. | 0. | 0. | 88. | 2848. | 0.059 | 2764. | 500017. |
| 38 | 58 | 78 | 0.138 | 236. | 3.15 | 742. | 21 | 0.530 | 0.270 | 0.260 | 0.0 | 0.260 | 81. | 0. | 0. | 81. | 2680. | 0.065 | 2592. | 459978. |
| 39 | 59 | 79 | 0.131 | 224. | 3.27 | 731. | 21 | 0.530 | 0.270 | 0.260 | 0.0 | 0.260 | 74. | 0. | 0. | 74. | 2505. | 0.072 | 2431. | 418265. |
| 40 | 60 | 80 | 0.124 | 212. | 3.40 | 721. | 21 | 0.530 | 0.270 | 0.260 | 0.0 | 0.260 | 67. | 0. | 0. | 67. | 2324. | 0.080 | 2231. | 377917. |
| 41 | 61 | 81 | 0.117 | 201. | 3.54 | 711. | 21 | 0.530 | 0.270 | 0.260 | 0.0 | 0.260 | 60. | 0. | 0. | 60. | 2139. | 0.088 | 2045. | 338505. |
| 42 | 62 | 82 | 0.111 | 190. | 3.68 | 701. | 21 | 0.530 | 0.270 | 0.260 | 0.0 | 0.260 | 53. | 0. | 0. | 53. | 1952. | 0.095 | 1858. | 300462. |
| 43 | 63 | 83 | 0.106 | 180. | 3.83 | 691. | 21 | 0.530 | 0.270 | 0.260 | 0.0 | 0.260 | 46. | 0. | 0. | 46. | 1765. | 0.104 | 1673. | 264055. |
| 44 | 64 | 84 | 0.100 | 171. | 3.98 | 681. | 21 | 0.530 | 0.270 | 0.260 | 0.0 | 0.260 | 39. | 0. | 0. | 39. | 1581. | 0.113 | 1492. | 229535. |
| 45 | 65 | 85 | 0.095 | 162. | 4.14 | 671. | 21 | 0.530 | 0.270 | 0.260 | 0.0 | 0.260 | 32. | 0. | 0. | 32. | 1402. | 0.124 | 1315. | 196825. |
| 46 | 66 | 86 | 0.090 | 154. | 4.31 | 662. | 21 | 0.530 | 0.270 | 0.260 | 0.0 | 0.260 | 25. | 0. | 0. | 25. | 1229. | 0.138 | 1144. | 166677. |
| 47 | 67 | 87 | 0.085 | 146. | 4.48 | 652. | 21 | 0.530 | 0.270 | 0.260 | 0.0 | 0.260 | 18. | 0. | 0. | 18. | 1060. | 0.152 | 979. | 137840. |
| 48 | 68 | 88 | 0.081 | 138. | 4.66 | 643. | 21 | 0.530 | 0.270 | 0.260 | 0.0 | 0.260 | 11. | 0. | 0. | 11. | 899. | 0.166 | 825. | 112519. |
| 49 | 69 | 89 | 0.077 | 131. | 4.84 | 634. | 21 | 0.530 | 0.270 | 0.260 | 0.0 | 0.260 | 4. | 0. | 0. | 4. | 750. | 0.179 | 683. | 90309. |
| 50 | 70 | 90 | 0.073 | 124. | 5.04 | 625. | 21 | 0.530 | 0.270 | 0.260 | 0.0 | 0.260 | -3. | 0. | 0. | -3. | 616. | 0.193 | 556. | 71243. |
| 51 | 71 | 91 | 0.069 | 118. | 5.24 | 616. | 21 | 0.530 | 0.270 | 0.260 | 0.0 | 0.260 | -10. | 0. | 0. | -10. | 495. | 0.207 | 445. | 55222. |
| 52 | 72 | 92 | 0.065 | 111. | 5.45 | 607. | 21 | 0.530 | 0.270 | 0.260 | 0.0 | 0.260 | -17. | 0. | 0. | -17. | 393. | 0.221 | 350. | 42046. |
| 53 | 73 | 93 | 0.062 | 106. | 5.67 | 598. | 21 | 0.530 | 0.270 | 0.260 | 0.0 | 0.260 | -24. | 0. | 0. | -24. | 306. | 0.235 | 270. | 31436. |
| 54 | 74 | 94 | 0.059 | 100. | 5.89 | 590. | 21 | 0.530 | 0.270 | 0.260 | 0.0 | 0.260 | -31. | 0. | 0. | -31. | 234. | 0.249 | 205. | 23071. |
| 55 | 75 | 95 | 0.056 | 95. | 6.13 | 582. | 21 | 0.530 | 0.270 | 0.260 | 0.0 | 0.260 | -38. | 0. | 0. | -38. | 176. | 0.263 | 153. | 16615. |
| 56 | 76 | 96 | 0.053 | 90. | 6.37 | 573. | 21 | 0.530 | 0.270 | 0.260 | 0.0 | 0.260 | -45. | 0. | 0. | -45. | 129. | 0.277 | 111. | 11738. |
| 57 | 77 | 97 | 0.050 | 85. | 6.63 | 565. | 21 | 0.530 | 0.270 | 0.260 | 0.0 | 0.260 | -52. | 0. | 0. | -52. | 94. | 0.291 | 80. | 8131. |
| 58 | 78 | 98 | 0.047 | 81. | 6.89 | 557. | 21 | 0.530 | 0.270 | 0.260 | 0.0 | 0.260 | -59. | 0. | 0. | -59. | 66. | 0.305 | 54. | |
| 59 | 79 | 99 | 0.045 | 77. | 7.17 | 549. | 21 | 0.530 | 0.270 | 0.260 | 0.0 | 0.260 | -66. | 0. | 0. | -66. | | | | |

| | | | | | | | | | | | | | | | | | | | | |
|----|----|-----|-------|-----|-------|------|----|-------|-------|-------|-----|-------|------|----|----|----|-------|-------|-------|-------|
| 60 | 60 | 100 | 0.042 | 73. | 7.46 | 541. | 21 | 0.530 | 0.270 | 0.260 | 0.0 | 0.260 | 141. | 0. | 0. | 0. | 0. | 0.337 | 26. | 3666. |
| 61 | 81 | 101 | 0.040 | 69. | 7.75 | 534. | 21 | 0.530 | 0.270 | 0.260 | 0.0 | 0.260 | 139. | 0. | 0. | 0. | 0.355 | 17. | 2371. | |
| 62 | 82 | 102 | 0.038 | 65. | 8.06 | 526. | 21 | 0.530 | 0.270 | 0.260 | 0.0 | 0.260 | 137. | 0. | 0. | 0. | 0.374 | 11. | 1491. | |
| 63 | 83 | 103 | 0.036 | 62. | 8.39 | 519. | 21 | 0.530 | 0.270 | 0.260 | 0.0 | 0.260 | 135. | 0. | 0. | 0. | 0.394 | 7. | 909. | |
| 64 | 84 | 104 | 0.034 | 59. | 8.72 | 511. | 21 | 0.530 | 0.270 | 0.260 | 0.0 | 0.260 | 133. | 0. | 0. | 0. | 0.415 | 4. | 536. | |
| 65 | 85 | 105 | 0.032 | 56. | 9.07 | 504. | 21 | 0.530 | 0.270 | 0.260 | 0.0 | 0.260 | 131. | 0. | 0. | 0. | 0.437 | 2. | 305. | |
| 66 | 86 | 106 | 0.031 | 53. | 9.43 | 497. | 21 | 0.530 | 0.270 | 0.260 | 0.0 | 0.260 | 129. | 0. | 0. | 0. | 0.461 | 1. | 167. | |
| 67 | 87 | 107 | 0.029 | 50. | 9.81 | 490. | 21 | 0.530 | 0.270 | 0.260 | 0.0 | 0.260 | 127. | 0. | 0. | 0. | 0.485 | 1. | 87. | |
| 68 | 88 | 108 | 0.028 | 47. | 10.20 | 483. | 21 | 0.530 | 0.270 | 0.260 | 0.0 | 0.260 | 126. | 0. | 0. | 0. | 0.512 | 0. | 43. | |
| 69 | 89 | 109 | 0.026 | 45. | 10.61 | 476. | 21 | 0.530 | 0.270 | 0.260 | 0.0 | 0.260 | 124. | 0. | 0. | 0. | 0.539 | 0. | 21. | |
| 70 | 90 | 110 | 0.025 | 43. | 11.04 | 469. | 21 | 0.530 | 0.270 | 0.260 | 0.0 | 0.260 | 122. | 0. | 0. | 0. | 1.000 | 0. | 6. | |

| I | TOTAL RETIRED PAY | | | | EXP. LIFE | AVG RETIRED PAY | | |
|----|-------------------|---------|---------|---------|-----------|-----------------|--------|-----|
| | G-1 | G-2 | G-3 | G-4 | | G-4 | G-5 | G-6 |
| 20 | 66720. | 72271. | 80039. | 91744. | 0. | 37.21 | 2466. | 0. |
| 21 | 91024. | 98455. | 109107. | 124757. | 20. | 36.29 | 3438. | 1. |
| 22 | 115492. | 124710. | 138484. | 157926. | 49. | 35.37 | 4465. | 1. |
| 23 | 139278. | 151302. | 168255. | 191417. | 72. | 34.46 | 5556. | 2. |
| 24 | 172000. | 189294. | 210426. | 238967. | 88. | 33.54 | 7124. | 3. |
| 25 | 194542. | 216849. | 240751. | 273175. | 103. | 32.64 | 8370. | 3. |
| 26 | 216285. | 242533. | 269107. | 305229. | 111. | 31.73 | 9619. | 3. |
| 27 | 237230. | 266020. | 297048. | 339481. | 122. | 30.84 | 11009. | 4. |
| 28 | 253682. | 284469. | 321462. | 372542. | 130. | 29.95 | 12440. | 4. |
| 29 | 260378. | 291978. | 333657. | 391634. | 134. | 29.06 | 13476. | 5. |
| 30 | 266673. | 299036. | 343524. | 405596. | 137. | 28.19 | 14390. | 5. |
| 31 | 262073. | 293878. | 337598. | 398599. | 135. | 27.32 | 14592. | 5. |
| 32 | 257422. | 288663. | 331607. | 391525. | 132. | 26.45 | 14801. | 5. |
| 33 | 252741. | 283414. | 325577. | 384406. | 130. | 25.60 | 15016. | 5. |
| 34 | 248024. | 278124. | 319500. | 377231. | 127. | 24.75 | 15239. | 5. |
| 35 | 243289. | 272815. | 313402. | 370331. | 125. | 23.92 | 15471. | 5. |

ANNUAL COST FACTORS FOR RETIRED PAY

| | | | | | | | | | |
|----|---------|---------|---------|------|------|------|------|------|------|
| 1 | 66720. | 80039. | 91744. | 0. | 0. | 0. | 0. | 0. | 0. |
| 2 | 72271. | 80039. | 91744. | 0. | 0. | 0. | 0. | 0. | 0. |
| 3 | 72271. | 80039. | 91744. | 0. | 0. | 0. | 0. | 0. | 0. |
| 4 | 72271. | 80039. | 91744. | 0. | 0. | 0. | 0. | 0. | 0. |
| 5 | 72271. | 80039. | 91744. | 0. | 0. | 0. | 0. | 0. | 0. |
| 6 | 72271. | 80039. | 91744. | 0. | 0. | 0. | 0. | 0. | 0. |
| 7 | 72271. | 80039. | 91744. | 0. | 0. | 0. | 0. | 0. | 0. |
| 8 | 72271. | 80039. | 91744. | 0. | 0. | 0. | 0. | 0. | 0. |
| 9 | 72271. | 80039. | 91744. | 0. | 0. | 0. | 0. | 0. | 0. |
| 10 | 72271. | 80039. | 91744. | 0. | 0. | 0. | 0. | 0. | 0. |
| 11 | 72271. | 80039. | 91744. | 0. | 0. | 0. | 0. | 0. | 0. |
| 12 | 72271. | 80039. | 91744. | 0. | 0. | 0. | 0. | 0. | 0. |
| 13 | 72271. | 80039. | 91744. | 0. | 0. | 0. | 0. | 0. | 0. |
| 14 | 72271. | 80039. | 91744. | 0. | 0. | 0. | 0. | 0. | 0. |
| 15 | 72271. | 80039. | 91744. | 0. | 0. | 0. | 0. | 0. | 0. |
| 16 | 72271. | 80039. | 91744. | 0. | 0. | 0. | 0. | 0. | 0. |
| 17 | 72271. | 80039. | 91744. | 0. | 0. | 0. | 0. | 0. | 0. |
| 18 | 72271. | 80039. | 91744. | 0. | 0. | 0. | 0. | 0. | 0. |
| 19 | 72271. | 80039. | 91744. | 0. | 0. | 0. | 0. | 0. | 0. |
| 20 | 72271. | 80039. | 91744. | 0. | 0. | 0. | 0. | 0. | 0. |
| 21 | 91024. | 109107. | 124757. | 20. | 20. | 20. | 20. | 20. | 20. |
| 22 | 115492. | 138484. | 157926. | 49. | 49. | 49. | 49. | 49. | 49. |
| 23 | 139278. | 168255. | 191417. | 72. | 72. | 72. | 72. | 72. | 72. |
| 24 | 172000. | 210426. | 238967. | 88. | 88. | 88. | 88. | 88. | 88. |
| 25 | 194542. | 240751. | 273175. | 100. | 100. | 100. | 100. | 100. | 100. |
| 26 | 216285. | 269107. | 305229. | 111. | 111. | 111. | 111. | 111. | 111. |
| 27 | 237230. | 297048. | 339481. | 122. | 122. | 122. | 122. | 122. | 122. |
| 28 | 253682. | 321462. | 372542. | 130. | 130. | 130. | 130. | 130. | 130. |
| 29 | 260378. | 333657. | 391634. | 134. | 134. | 134. | 134. | 134. | 134. |
| 30 | 266673. | 343524. | 405596. | 137. | 137. | 137. | 137. | 137. | 137. |
| 31 | 262073. | 337598. | 398599. | 135. | 135. | 135. | 135. | 135. | 135. |
| 32 | 257422. | 331607. | 391525. | 132. | 132. | 132. | 132. | 132. | 132. |
| 33 | 252741. | 325577. | 384406. | 130. | 130. | 130. | 130. | 130. | 130. |
| 34 | 248024. | 319500. | 377231. | 127. | 127. | 127. | 127. | 127. | 127. |
| 35 | 243289. | 313402. | 370031. | 125. | 125. | 125. | 125. | 125. | 125. |

| | AVERAGE ANNUAL RETIRED PAY PER RETIREE | | | ANNUAL RETIRED PAY FOR CURRENT RETIREES | | | |
|----|--|--------|--------|---|----|----|----|
| | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 1 | 1793. | 1942. | 2151. | 2466. | 0. | 0. | 0. |
| 2 | 1793. | 1942. | 2151. | 2466. | 0. | 0. | 0. |
| 3 | 1793. | 1942. | 2151. | 2466. | 0. | 0. | 0. |
| 4 | 1793. | 1942. | 2151. | 2466. | 0. | 0. | 0. |
| 5 | 1793. | 1942. | 2151. | 2466. | 0. | 0. | 0. |
| 6 | 1793. | 1942. | 2151. | 2466. | 0. | 0. | 0. |
| 7 | 1793. | 1942. | 2151. | 2466. | 0. | 0. | 0. |
| 8 | 1793. | 1942. | 2151. | 2466. | 0. | 0. | 0. |
| 9 | 1793. | 1942. | 2151. | 2466. | 0. | 0. | 0. |
| 10 | 1793. | 1942. | 2151. | 2466. | 0. | 0. | 0. |
| 11 | 1793. | 1942. | 2151. | 2466. | 0. | 0. | 0. |
| 12 | 1793. | 1942. | 2151. | 2466. | 0. | 0. | 0. |
| 13 | 1793. | 1942. | 2151. | 2466. | 0. | 0. | 0. |
| 14 | 1793. | 1942. | 2151. | 2466. | 0. | 0. | 0. |
| 15 | 1793. | 1942. | 2151. | 2466. | 0. | 0. | 0. |
| 16 | 1793. | 1942. | 2151. | 2466. | 0. | 0. | 0. |
| 17 | 1793. | 1942. | 2151. | 2466. | 0. | 0. | 0. |
| 18 | 1793. | 1942. | 2151. | 2466. | 0. | 0. | 0. |
| 19 | 1793. | 1942. | 2151. | 2466. | 0. | 0. | 0. |
| 20 | 1793. | 1942. | 2151. | 2466. | 0. | 0. | 0. |
| 21 | 2508. | 2713. | 3007. | 3438. | 1. | 1. | 1. |
| 22 | 3265. | 3526. | 3915. | 4465. | 1. | 1. | 1. |
| 23 | 4042. | 4391. | 4883. | 5556. | 2. | 2. | 2. |
| 24 | 5128. | 5643. | 6273. | 7124. | 3. | 3. | 3. |
| 25 | 5961. | 6644. | 7377. | 8370. | 3. | 3. | 3. |
| 26 | 6816. | 7643. | 8480. | 9619. | 3. | 3. | 3. |
| 27 | 7693. | 8627. | 9633. | 11009. | 4. | 4. | 4. |
| 28 | 8471. | 9499. | 10735. | 12440. | 4. | 4. | 4. |
| 29 | 9259. | 10047. | 11481. | 13476. | 5. | 5. | 5. |
| 30 | 9462. | 10610. | 12188. | 14390. | 5. | 5. | 5. |
| 31 | 9594. | 10759. | 12359. | 14592. | 5. | 5. | 5. |
| 32 | 9731. | 10912. | 12536. | 14801. | 5. | 5. | 5. |
| 33 | 9873. | 11071. | 12718. | 15016. | 5. | 5. | 5. |
| 34 | 10020. | 11236. | 12907. | 15239. | 5. | 5. | 5. |
| 35 | 10172. | 11407. | 13097. | 15471. | 5. | 5. | 5. |

EXAMPLE FOR GRADE G- 7 AND 25 YOS, BP=1522. RETIREMENT OPTION=NDIS

| K | SV | AC | WCF | RPB | RPGF | CRPB | RY | BM | DECR1 | FW | DECR2 | CM | PAY | AVG | SS | SBP | MISC | NA | POP | DR | MY | COST |
|----|----|-----|-------|-------|------|-------|----|-------|-------|-------|-------|-------|------|-----|----|-----|------|------|-------|-------|-------|----------|
| 1 | 25 | 44 | 1.000 | 1393- | 1.00 | 1393. | 25 | 0.655 | 0.150 | 0.505 | 0.0 | 0.505 | 703. | 0. | 0. | 0. | 0. | 703. | 5000. | 0.004 | 4991. | 3510979. |
| 2 | 26 | 45 | 0.948 | 1320- | 1.02 | 1353. | 25 | 0.655 | 0.150 | 0.505 | 0.0 | 0.505 | 683. | 0. | 0. | 0. | 0. | 683. | 4982. | 0.004 | 4972. | 3398008. |
| 3 | 27 | 46 | 0.898 | 1252- | 1.05 | 1315. | 25 | 0.655 | 0.150 | 0.505 | 0.0 | 0.505 | 664. | 0. | 0. | 0. | 0. | 664. | 4962. | 0.005 | 4950. | 3287023. |
| 4 | 28 | 47 | 0.852 | 1186- | 1.08 | 1278. | 25 | 0.655 | 0.150 | 0.505 | 0.0 | 0.505 | 645. | 0. | 0. | 0. | 0. | 645. | 4939. | 0.005 | 4926. | 3178068. |
| 5 | 29 | 48 | 0.807 | 1124- | 1.10 | 1241. | 25 | 0.655 | 0.150 | 0.505 | 0.0 | 0.505 | 627. | 0. | 0. | 0. | 0. | 627. | 4914. | 0.006 | 4900. | 3071027. |
| 6 | 30 | 49 | 0.765 | 1066- | 1.13 | 1206. | 25 | 0.655 | 0.150 | 0.505 | 0.0 | 0.505 | 609. | 0. | 0. | 0. | 0. | 609. | 4886. | 0.006 | 4870. | 2965801. |
| 7 | 31 | 50 | 0.725 | 1010- | 1.16 | 1172. | 25 | 0.655 | 0.150 | 0.505 | 0.0 | 0.505 | 592. | 0. | 0. | 0. | 0. | 592. | 4855. | 0.007 | 4838. | 2862160. |
| 8 | 32 | 51 | 0.687 | 958- | 1.19 | 1138. | 25 | 0.655 | 0.150 | 0.505 | 0.0 | 0.505 | 575. | 0. | 0. | 0. | 0. | 575. | 4820. | 0.008 | 4801. | 2759643. |
| 9 | 33 | 52 | 0.652 | 908- | 1.22 | 1106. | 25 | 0.655 | 0.150 | 0.505 | 0.0 | 0.505 | 558. | 0. | 0. | 0. | 0. | 558. | 4781. | 0.009 | 4759. | 2657984. |
| 10 | 34 | 53 | 0.618 | 860- | 1.25 | 1074. | 25 | 0.655 | 0.150 | 0.505 | 0.0 | 0.505 | 543. | 0. | 0. | 0. | 0. | 543. | 4737. | 0.010 | 4713. | 2557101. |
| 11 | 35 | 54 | 0.585 | 816- | 1.28 | 1044. | 25 | 0.655 | 0.150 | 0.505 | 0.0 | 0.505 | 527. | 0. | 0. | 0. | 0. | 527. | 4688. | 0.011 | 4661. | 2457317. |
| 12 | 36 | 55 | 0.555 | 773- | 1.31 | 1014. | 25 | 0.655 | 0.150 | 0.505 | 0.0 | 0.505 | 512. | 0. | 0. | 0. | 0. | 512. | 4635. | 0.012 | 4606. | 2359153. |
| 13 | 37 | 56 | 0.526 | 733- | 1.34 | 985. | 25 | 0.655 | 0.150 | 0.505 | 0.0 | 0.505 | 498. | 0. | 0. | 0. | 0. | 498. | 4578. | 0.013 | 4547. | 2262851. |
| 14 | 38 | 57 | 0.499 | 695- | 1.38 | 957. | 25 | 0.655 | 0.150 | 0.505 | 0.0 | 0.505 | 483. | 0. | 0. | 0. | 0. | 483. | 4517. | 0.014 | 4485. | 2168501. |
| 15 | 39 | 58 | 0.473 | 658- | 1.41 | 930. | 25 | 0.655 | 0.150 | 0.505 | 0.0 | 0.505 | 470. | 0. | 0. | 0. | 0. | 470. | 4453. | 0.015 | 4420. | 2076084. |
| 16 | 40 | 59 | 0.448 | 624- | 1.45 | 904. | 25 | 0.655 | 0.150 | 0.505 | 0.0 | 0.505 | 456. | 0. | 0. | 0. | 0. | 456. | 4386. | 0.016 | 4350. | 1985388. |
| 17 | 41 | 60 | 0.425 | 591- | 1.48 | 878. | 25 | 0.655 | 0.150 | 0.505 | 0.0 | 0.505 | 443. | 0. | 0. | 0. | 0. | 443. | 4315. | 0.018 | 4276. | 1896152. |
| 18 | 42 | 61 | 0.402 | 561- | 1.52 | 853. | 25 | 0.655 | 0.150 | 0.505 | 0.0 | 0.505 | 431. | 0. | 0. | 0. | 0. | 431. | 4238. | 0.019 | 4197. | 1808165. |
| 19 | 43 | 62 | 0.381 | 531- | 1.56 | 829. | 25 | 0.655 | 0.150 | 0.505 | 0.0 | 0.505 | 419. | 0. | 0. | 0. | 0. | 398. | 4157. | 0.021 | 4113. | 1638488. |
| 20 | 44 | 63 | 0.362 | 504- | 1.62 | 817. | 25 | 0.655 | 0.150 | 0.505 | 0.0 | 0.505 | 413. | 0. | 0. | 0. | 0. | 394. | 4069. | 0.023 | 4022. | 1582503. |
| 21 | 45 | 64 | 0.343 | 477- | 1.69 | 805. | 25 | 0.655 | 0.150 | 0.505 | 0.0 | 0.505 | 407. | 0. | 0. | 0. | 0. | 389. | 3974. | 0.025 | 3924. | 1525110. |
| 22 | 46 | 65 | 0.325 | 453- | 1.75 | 794. | 25 | 0.655 | 0.150 | 0.505 | 0.0 | 0.505 | 401. | 0. | 0. | 0. | 0. | 384. | 3874. | 0.027 | 3821. | 1466528. |
| 23 | 47 | 66 | 0.308 | 429- | 1.82 | 783. | 25 | 0.655 | 0.150 | 0.505 | 0.0 | 0.505 | 395. | 0. | 0. | 0. | 0. | 379. | 3768. | 0.030 | 3712. | 1406911. |
| 24 | 48 | 67 | 0.292 | 407- | 1.90 | 772. | 25 | 0.655 | 0.150 | 0.505 | 0.0 | 0.505 | 390. | 0. | 0. | 0. | 0. | 374. | 3657. | 0.032 | 3598. | 1346297. |
| 25 | 49 | 68 | 0.277 | 385- | 1.97 | 761. | 25 | 0.655 | 0.150 | 0.505 | 0.0 | 0.505 | 384. | 0. | 0. | 0. | 0. | 369. | 3537. | 0.035 | 3477. | 1284560. |
| 26 | 50 | 69 | 0.262 | 365- | 2.05 | 750. | 25 | 0.655 | 0.150 | 0.505 | 0.0 | 0.505 | 379. | 0. | 0. | 0. | 0. | 365. | 3415. | 0.038 | 3349. | 1221588. |
| 27 | 51 | 70 | 0.249 | 346- | 2.13 | 739. | 25 | 0.655 | 0.150 | 0.505 | 0.0 | 0.505 | 373. | 0. | 0. | 0. | 0. | 360. | 3283. | 0.043 | 3213. | 1157183. |
| 28 | 52 | 71 | 0.236 | 328- | 2.22 | 729. | 25 | 0.655 | 0.150 | 0.505 | 0.0 | 0.505 | 368. | 0. | 0. | 0. | 0. | 355. | 3144. | 0.047 | 3070. | 1091377. |
| 29 | 53 | 72 | 0.223 | 311- | 2.31 | 718. | 25 | 0.655 | 0.150 | 0.505 | 0.0 | 0.505 | 363. | 0. | 0. | 0. | 0. | 351. | 2996. | 0.051 | 2919. | 1024473. |
| 30 | 54 | 73 | 0.212 | 295- | 2.40 | 708. | 25 | 0.655 | 0.150 | 0.505 | 0.0 | 0.505 | 358. | 0. | 0. | 0. | 0. | 346. | 2842. | 0.056 | 2763. | 956972. |
| 31 | 55 | 74 | 0.201 | 280- | 2.50 | 698. | 25 | 0.655 | 0.150 | 0.505 | 0.0 | 0.505 | 352. | 0. | 0. | 0. | 0. | 342. | 2683. | 0.061 | 2602. | 889486. |
| 32 | 56 | 75 | 0.190 | 265- | 2.60 | 688. | 25 | 0.655 | 0.150 | 0.505 | 0.0 | 0.505 | 347. | 0. | 0. | 0. | 0. | 337. | 2520. | 0.065 | 2438. | 822599. |
| 33 | 57 | 76 | 0.180 | 251- | 2.70 | 678. | 25 | 0.655 | 0.150 | 0.505 | 0.0 | 0.505 | 343. | 0. | 0. | 0. | 0. | 333. | 2356. | 0.070 | 2273. | 756895. |
| 34 | 58 | 77 | 0.171 | 238- | 2.81 | 669. | 25 | 0.655 | 0.150 | 0.505 | 0.0 | 0.505 | 338. | 0. | 0. | 0. | 0. | 329. | 2190. | 0.075 | 2109. | 692901. |
| 35 | 59 | 78 | 0.162 | 226- | 2.92 | 659. | 25 | 0.655 | 0.150 | 0.505 | 0.0 | 0.505 | 333. | 0. | 0. | 0. | 0. | 324. | 2027. | 0.080 | 1946. | 630981. |
| 36 | 60 | 79 | 0.154 | 214- | 3.04 | 650. | 25 | 0.655 | 0.150 | 0.505 | 0.0 | 0.505 | 328. | 0. | 0. | 0. | 0. | 320. | 1865. | 0.085 | 1785. | 571343. |
| 37 | 61 | 80 | 0.146 | 203- | 3.16 | 640. | 25 | 0.655 | 0.150 | 0.505 | 0.0 | 0.505 | 323. | 0. | 0. | 0. | 0. | 316. | 1706. | 0.091 | 1628. | 514120. |
| 38 | 62 | 81 | 0.138 | 192- | 3.29 | 631. | 25 | 0.655 | 0.150 | 0.505 | 0.0 | 0.505 | 319. | 0. | 0. | 0. | 0. | 312. | 1550. | 0.098 | 1475. | 459402. |
| 39 | 63 | 82 | 0.131 | 182- | 3.42 | 622. | 25 | 0.655 | 0.150 | 0.505 | 0.0 | 0.505 | 314. | 0. | 0. | 0. | 0. | 307. | 1399. | 0.104 | 1326. | 407633. |
| 40 | 64 | 83 | 0.124 | 173- | 3.55 | 614. | 25 | 0.655 | 0.150 | 0.505 | 0.0 | 0.505 | 310. | 0. | 0. | 0. | 0. | 303. | 1253. | 0.110 | 1165. | 359259. |
| 41 | 65 | 84 | 0.117 | 164- | 3.70 | 605. | 25 | 0.655 | 0.150 | 0.505 | 0.0 | 0.505 | 305. | 0. | 0. | 0. | 0. | 299. | 1116. | 0.117 | 1051. | 314355. |
| 42 | 66 | 85 | 0.111 | 155- | 3.84 | 596. | 25 | 0.655 | 0.150 | 0.505 | 0.0 | 0.505 | 301. | 0. | 0. | 0. | 0. | 295. | 985. | 0.124 | 925. | 272953. |
| 43 | 67 | 86 | 0.106 | 147- | 4.00 | 588. | 25 | 0.655 | 0.150 | 0.505 | 0.0 | 0.505 | 297. | 0. | 0. | 0. | 0. | 291. | 864. | 0.131 | 804. | 234234. |
| 44 | 68 | 87 | 0.100 | 139- | 4.16 | 579. | 25 | 0.655 | 0.150 | 0.505 | 0.0 | 0.505 | 293. | 0. | 0. | 0. | 0. | 287. | 745. | 0.152 | 688. | 197180. |
| 45 | 69 | 88 | 0.095 | 132- | 4.32 | 571. | 25 | 0.655 | 0.150 | 0.505 | 0.0 | 0.505 | 288. | 0. | 0. | 0. | 0. | 283. | 632. | 0.166 | 580. | 164274. |
| 46 | 70 | 89 | 0.090 | 125- | 4.50 | 563. | 25 | 0.655 | 0.150 | 0.505 | 0.0 | 0.505 | 284. | 0. | 0. | 0. | 0. | 280. | 527. | 0.179 | 480. | 134189. |
| 47 | 71 | 90 | 0.085 | 119- | 4.68 | 555. | 25 | 0.655 | 0.150 | 0.505 | 0.0 | 0.505 | 280. | 0. | 0. | 0. | 0. | 276. | 433. | 0.193 | 391. | 107772. |
| 48 | 72 | 91 | 0.081 | 112- | 4.86 | 547. | 25 | 0.655 | 0.150 | 0.505 | 0.0 | 0.505 | 276. | 0. | 0. | 0. | 0. | 272. | 349. | 0.207 | 313. | 95072. |
| 49 | 73 | 92 | 0.077 | 107- | 5.06 | 539. | 25 | 0.655 | 0.150 | 0.505 | 0.0 | 0.505 | 272. | 0. | 0. | 0. | 0. | 268. | 277. | 0.221 | 246. | 85982. |
| 50 | 74 | 93 | 0.073 | 101- | 5.26 | 532. | 25 | 0.655 | 0.150 | 0.505 | 0.0 | 0.505 | 269. | 0. | 0. | 0. | 0. | 265. | 215. | 0.235 | 190. | 750267. |
| 51 | 75 | 94 | 0.069 | 96- | 5.47 | 524. | 25 | 0.655 | 0.150 | 0.505 | 0.0 | 0.505 | 265. | 0. | 0. | 0. | 0. | 261. | 165. | 0.249 | 144. | 67603. |
| 52 | 76 | 95 | 0.065 | 91- | 5.69 | 517. | 25 | 0.655 | 0.150 | 0.505 | 0.0 | 0.505 | 261. | 0. | 0. | 0. | 0. | 257. | 124. | 0.263 | 107. | 57612. |
| 53 | 77 | 96 | 0.062 | 86- | 5.92 | 509. | 25 | 0.655 | 0.150 | 0.505 | 0.0 | 0.505 | 257. | 0. | 0. | 0. | 0. | 254. | 91. | 0.277 | 78. | 49896. |
| 54 | 78 | 97 | 0.059 | 82- | 6.15 | 502. | 25 | 0.655 | 0.150 | 0.505 | 0.0 | 0.505 | 254. | 0. | 0. | 0. | 0. | 250. | 66. | 0.291 | 56. | 40662. |
| 55 | 79 | 98 | 0.056 | 77- | 6.40 | 495. | 25 | 0.655 | 0.150 | 0.505 | 0.0 | 0.505 | 250. | 0. | 0. | 0. | 0. | 247. | 47. | 0.305 | 39. | 32446. |
| 56 | 80 | 99 | 0.053 | 73- | 6.66 | 488. | 25 | 0.655 | 0.150 | 0.505 | 0.0 | 0.505 | 246. | 0. | 0. | 0. | 0. | 244. | 32. | 0.320 | 27. | 24620. |
| 57 | 81 | 100 | 0.050 | 69- | 6.92 | 481. | 25 | 0.655 | 0.150 | 0.505 | 0.0 | 0.505 | 243. | 0. | 0. | 0. | 0. | 240. | 22. | 0.337 | 18. | 18398. |
| 58 | 82 | 101 | 0.047 | 66- | 7.20 | 474. | 25 | 0.655 | 0.150 | 0.505 | 0.0 | 0.505 | 239. | 0. | 0. | 0. | 0. | 237. | 15. | 0.355 | 12. | 13840. |
| 59 | 83 | 102 | 0.045 | 62- | 7.49 | 467. | 25 | 0.655 | 0.150 | 0.505 | 0.0 | 0.505 | 236. | 0. | 0. | 0. | 0. | 234. | 9. | 0.374 | 8. | 10901. |

| | | | | | | | | | | | | | | | | | | | | |
|----|----|-----|-------|-----|-------|------|----|-------|-------|-------|-----|-------|------|----|----|------|----|-------|----|-------|
| 60 | 84 | 103 | 0.042 | 59. | 7.79 | 461. | 25 | 0.655 | 0.150 | 0.505 | 0.0 | 0.505 | 233. | 0. | 0. | 230. | 6. | 0.394 | 5. | 1092. |
| 61 | 85 | 104 | 0.040 | 56. | 8.10 | 454. | 25 | 0.655 | 0.150 | 0.505 | 0.0 | 0.505 | 229. | 0. | 0. | 227. | 4. | 0.415 | 3. | 644. |
| 62 | 86 | 105 | 0.038 | 53. | 8.42 | 448. | 25 | 0.655 | 0.150 | 0.505 | 0.0 | 0.505 | 226. | 0. | 0. | 224. | 2. | 0.437 | 2. | 366. |
| 63 | 87 | 106 | 0.036 | 50. | 8.76 | 441. | 25 | 0.655 | 0.150 | 0.505 | 0.0 | 0.505 | 223. | 0. | 0. | 221. | 1. | 0.461 | 1. | 200. |
| 64 | 88 | 107 | 0.034 | 48. | 9.11 | 435. | 25 | 0.655 | 0.150 | 0.505 | 0.0 | 0.505 | 220. | 0. | 0. | 218. | 1. | 0.485 | 0. | 105. |
| 65 | 89 | 108 | 0.032 | 45. | 9.47 | 429. | 25 | 0.655 | 0.150 | 0.505 | 0.0 | 0.505 | 217. | 0. | 0. | 215. | 0. | 0.512 | 0. | 52. |
| 66 | 90 | 109 | 0.031 | 43. | 9.85 | 423. | 25 | 0.655 | 0.150 | 0.505 | 0.0 | 0.505 | 214. | 0. | 0. | 212. | 0. | 0.539 | 0. | 25. |
| 67 | 91 | 110 | 0.029 | 41. | 10.25 | 417. | 25 | 0.655 | 0.150 | 0.505 | 0.0 | 0.505 | 210. | 0. | 0. | 209. | 0. | 1.000 | 0. | 8. |

| I | TOTAL RETIRED PAY | | | | EXP. | AVG RETIRED PAY | | | |
|----|-------------------|--------|---------|---------|-------|-----------------|-------|-------|--|
| | G-1 | G-2 | G-3 | G-4 | | G-4 | G-5 | G-6 | |
| 20 | 21709. | 24455. | 29160. | 34148. | 34.77 | 982. | 1225. | 1438. | |
| 21 | 22309. | 32997. | 39314. | 46012. | 33.86 | 1359. | 1594. | 1997. | |
| 22 | 36631. | 41230. | 49108. | 57461. | 32.95 | 1744. | 2174. | 2568. | |
| 23 | 43665. | 49143. | 58529. | 68479. | 32.04 | 2137. | 2664. | 3146. | |
| 24 | 54029. | 60796. | 72388. | 84678. | 31.14 | 2720. | 3389. | 4002. | |
| 25 | 60876. | 68510. | 81586. | 95450. | 30.24 | 3157. | 3935. | 4647. | |
| 26 | 67384. | 75848. | 90348. | 105720. | 29.34 | 3603. | 4492. | 5305. | |
| 27 | 73535. | 82795. | 98657. | 115474. | 28.46 | 4057. | 5059. | 5977. | |
| 28 | 78149. | 88025. | 104943. | 122879. | 27.59 | 4454. | 5556. | 6566. | |
| 29 | 79552. | 89663. | 106981. | 125343. | 26.73 | 4689. | 5855. | 6921. | |
| 30 | 80738. | 91066. | 108757. | 127514. | 25.88 | 4927. | 6157. | 7282. | |
| 31 | 78341. | 88464. | 105804. | 124189. | 25.04 | 4959. | 6205. | 7345. | |
| 32 | 75923. | 85842. | 102834. | 120848. | 24.22 | 4990. | 6252. | 7407. | |
| 33 | 73422. | 83139. | 99786. | 117434. | 23.41 | 5016. | 6295. | 7466. | |
| 34 | 70987. | 80506. | 96813. | 114102. | 22.62 | 5044. | 6340. | 7527. | |
| 35 | 68495. | 77820. | 93795. | 110731. | 21.86 | 5667. | 6381. | 7585. | |

ANNUAL COST FACTORS FOR RETIRED PAY

| | | | | | | | | | | |
|----|--------|--------|---------|---------|---------|---------|---------|---------|---------|--------|
| 1 | 21709. | 24455. | 29160. | 34148. | 42608. | 49989. | 56122. | 63139. | 72564. | 0. |
| 2 | 21709. | 24455. | 29160. | 34148. | 42608. | 49989. | 56122. | 63139. | 72564. | 0. |
| 3 | 21709. | 24455. | 29160. | 34148. | 42608. | 49989. | 56122. | 63139. | 72564. | 0. |
| 4 | 21709. | 24455. | 29160. | 34148. | 42608. | 49989. | 56122. | 63139. | 72564. | 0. |
| 5 | 21709. | 24455. | 29160. | 34148. | 42608. | 49989. | 56122. | 63139. | 72564. | 0. |
| 6 | 21709. | 24455. | 29160. | 34148. | 42608. | 49989. | 56122. | 63139. | 72564. | 0. |
| 7 | 21709. | 24455. | 29160. | 34148. | 42608. | 49989. | 56122. | 63139. | 72564. | 0. |
| 8 | 21709. | 24455. | 29160. | 34148. | 42608. | 49989. | 56122. | 63139. | 72564. | 0. |
| 9 | 21709. | 24455. | 29160. | 34148. | 42608. | 49989. | 56122. | 63139. | 72564. | 0. |
| 10 | 21709. | 24455. | 29160. | 34148. | 42608. | 49989. | 56122. | 63139. | 72564. | 0. |
| 11 | 21709. | 24455. | 29160. | 34148. | 42608. | 49989. | 56122. | 63139. | 72564. | 0. |
| 12 | 21709. | 24455. | 29160. | 34148. | 42608. | 49989. | 56122. | 63139. | 72564. | 0. |
| 13 | 21709. | 24455. | 29160. | 34148. | 42608. | 49989. | 56122. | 63139. | 72564. | 0. |
| 14 | 21709. | 24455. | 29160. | 34148. | 42608. | 49989. | 56122. | 63139. | 72564. | 0. |
| 15 | 21709. | 24455. | 29160. | 34148. | 42608. | 49989. | 56122. | 63139. | 72564. | 0. |
| 16 | 21709. | 24455. | 29160. | 34148. | 42608. | 49989. | 56122. | 63139. | 72564. | 0. |
| 17 | 21709. | 24455. | 29160. | 34148. | 42608. | 49989. | 56122. | 63139. | 72564. | 0. |
| 18 | 21709. | 24455. | 29160. | 34148. | 42608. | 49989. | 56122. | 63139. | 72564. | 0. |
| 19 | 21709. | 24455. | 29160. | 34148. | 42608. | 49989. | 56122. | 63139. | 72564. | 0. |
| 20 | 21709. | 24455. | 29160. | 34148. | 42608. | 49989. | 56122. | 63139. | 72564. | 0. |
| 21 | 29309. | 32997. | 39314. | 46012. | 57373. | 67618. | 76395. | 85967. | 98652. | 0. |
| 22 | 36631. | 41230. | 49108. | 57461. | 71630. | 84602. | 96190. | 108575. | 124348. | -1070. |
| 23 | 43665. | 49143. | 58529. | 68479. | 85358. | 100813. | 116517. | 131803. | 150528. | -1230. |
| 24 | 54029. | 60796. | 72388. | 84678. | 105526. | 124613. | 147604. | 166781. | 189924. | -1426. |
| 25 | 60876. | 68510. | 81586. | 95450. | 118967. | 140498. | 169971. | 191582. | 217767. | -1663. |
| 26 | 67384. | 75888. | 90348. | 105720. | 131797. | 155672. | 190212. | 214163. | 243238. | -1946. |
| 27 | 73535. | 82795. | 98657. | 115474. | 144000. | 170116. | 212630. | 238859. | 270623. | -2276. |
| 28 | 78149. | 88025. | 104943. | 122879. | 153304. | 181161. | 236058. | 264118. | 297880. | -2670. |
| 29 | 79552. | 89663. | 106981. | 125343. | 156490. | 185007. | 250478. | 279217. | 313737. | -3128. |
| 30 | 80738. | 91066. | 108757. | 127514. | 159330. | 188460. | 259827. | 289282. | 324433. | -3653. |
| 31 | 78341. | 88464. | 105804. | 124189. | 155374. | 183927. | 253879. | 282749. | 317203. | -4256. |
| 32 | 75923. | 85842. | 102834. | 120848. | 151405. | 179382. | 247925. | 276214. | 309973. | -4967. |
| 33 | 73422. | 83139. | 99786. | 117434. | 147371. | 174781. | 241932. | 269647. | 302722. | -5707. |
| 34 | 70987. | 80506. | 96813. | 114102. | 143429. | 170280. | 236063. | 263213. | 295614. | -6552. |
| 35 | 68495. | 77820. | 93795. | 110731. | 139460. | 165764. | 230206. | 256802. | 288542. | -7357. |

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[illegible]

| VR | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|----|-------|--------|---------|-------|--------|-------|------|------|------|------|
| 1 | ***** | 0.25 | ***** | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2 | ***** | 0.00 | 0.25 | ***** | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3 | ***** | 0.00 | 0.00 | ***** | -13.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 4 | ***** | -0.00 | ***** | 0.00 | ***** | ***** | 0.00 | 0.00 | 0.00 | 0.00 |
| 5 | 0.00 | -0.00 | 0.25 | 0.00 | 0.25 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 |
| 6 | ***** | 0.25 | 0.00 | ***** | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 7 | -0.00 | 0.00 | 0.25 | 9.06 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 8 | ***** | 0.25 | ***** | ***** | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 9 | -0.00 | 0.00 | 0.25 | ***** | 0.95 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 10 | ***** | 0.00 | 0.25 | ***** | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 11 | ***** | 0.00 | ***** | ***** | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 12 | ***** | 0.00 | 0.00 | ***** | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 13 | ***** | ***** | ***** | ***** | ***** | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 14 | ***** | ***** | 0.00 | ***** | ***** | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 15 | ***** | 0.00 | ***** | ***** | ***** | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 16 | ***** | ***** | -206.58 | 0.00 | ***** | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 17 | ***** | ***** | ***** | 9.06 | ***** | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 18 | ***** | 0.00 | ***** | ***** | -14.24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 19 | 0.00 | -14.24 | ***** | 0.00 | -4.24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 20 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.91 | 0.91 | 0.91 | 0.32 |
| 21 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.91 | 0.90 | 0.91 | 0.32 |
| 22 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.91 | 0.92 | 0.62 |
| 23 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.87 | 0.88 | 0.88 | 0.76 |
| 24 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.90 | 0.90 | 0.90 | 0.76 |
| 25 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.76 |
| 26 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.76 |
| 27 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.84 | 0.85 | 0.86 | 0.76 |
| 28 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.88 | 0.88 | 0.88 | 0.76 |
| 29 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.91 | 0.91 | 0.91 | 0.76 |
| 30 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.76 |
| 31 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.76 |
| 32 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.76 |
| 33 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.76 |
| 34 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.76 |
| 35 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.76 |

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FILE: CFLOAD EXEC A
PAGE 001

VM/SP CONVERSATIONAL MONITOR SYSTEM

LINK TO QRMCM2JVD 191 199 RR RPASS
ACCESS 199 H
FILEDEF 30 DISK COST DATABASE A1 (XTENT 54001 PERM
&N = 21
&LOOP 3 3
&N = &N + 1
FILEDEF 10 DISK PF&N CFCDATA7 H1 (LRECL 132 RECFM FB BLKSIZE 132
CFLOAD
DET 199
RELEASE H
&EXIT

| | | |
|------|---|----------|
| | DIMENSION ITTLE(17),COST(10) | CFL00010 |
| | INTEGER CHK(10),AST | CFL00020 |
| | DATA AST/'*'/ | CFL00030 |
| | DEFINE FILE 30(54001,17,U,ID) | CFL00040 |
| C | ID=1 | CFL00050 |
| | READ(30'ID) INUM | CFL00060 |
| C | | CFL00070 |
| | ID=((INUM+1)*36)-34 | CFL00080 |
| C | | CFL00090 |
| | READ(10,101,END=9000,ERR=9001) ITTLE | CFL00100 |
| 101 | FORMAT(17A4) | CFL00110 |
| | WRITE(30'ID) ITTLE | CFL00120 |
| | DO 200 I=1,35 | CFL00130 |
| | READ(10,103,ERR=9001) CHK | CFL00140 |
| 103 | FORMAT(10(A1,11X)) | CFL00150 |
| | DO 201 IC=1,10 | CFL00160 |
| | IF(CHK(IC).EQ.AST)GO TO 9001 | CFL00170 |
| 201 | CONTINUE | CFL00180 |
| | BACKSPACE 10 | CFL00190 |
| | READ(10,102,ERR=9001) COST | CFL00200 |
| 102 | FORMAT(10F12.4) | CFL00210 |
| | WRITE(30'ID) COST | CFL00220 |
| 200 | CONTINUE | CFL00230 |
| | ID=1 | CFL00240 |
| | INUM=INUM+1 | CFL00250 |
| | WRITE(30'ID) INUM | CFL00260 |
| | STOP | CFL00270 |
| C | | CFL00280 |
| 9000 | WRITE(6,107) | CFL00290 |
| 107 | FORMAT(1X,'***END OF FILE ENCOUNTERED---DATA NOT ADDED TO DB***') | CFL00300 |
| | STOP | CFL00310 |
| 9001 | WRITE(6,9002) ITTLE | CFL00320 |
| 9002 | FORMAT(1X,'ERROR IN FILE ',17A4) | CFL00330 |
| | STOP | CFL00340 |
| | END | CFL00350 |
| | | CFL00360 |

FILE NUMBER = 2
 TITLE=CF--BASIC PAY, OFFICER, 1 OCT 1981, CAPPED AT \$4176.00

| YOS | GRD 01 | GRD 02 | GRD 03 | GRD 04 | GRD 05 | GRD 06 | GRD 07 | GRD 08 | GRD 09 | GRD 10 |
|-----|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 1 | 1056.6001 | 1217.1001 | 1395.8999 | 1502.1001 | 1782.0000 | 2228.1001 | 3006.0000 | 3617.7000 | 3994.2000 | 4176.0000 |
| 2 | 1056.6001 | 1217.1001 | 1395.8999 | 1502.1001 | 1782.0000 | 2228.1001 | 3006.0000 | 3617.7000 | 3994.2000 | 4176.0000 |
| 3 | 1059.8000 | 1329.3000 | 1560.6001 | 1828.8000 | 2092.8000 | 2448.3000 | 3210.6001 | 3726.0000 | 4098.8984 | 4176.0000 |
| 4 | 1059.8000 | 1329.3000 | 1560.6001 | 1828.8000 | 2092.8000 | 2448.3000 | 3210.6001 | 3726.0000 | 4098.8984 | 4176.0000 |
| 5 | 1329.3000 | 1596.8999 | 1668.3000 | 1951.2000 | 2237.1001 | 2608.2000 | 3210.6001 | 3814.5000 | 4176.0000 | 4176.0000 |
| 6 | 1329.3000 | 1596.8999 | 1668.3000 | 1951.2000 | 2237.1001 | 2608.2000 | 3210.6001 | 3814.5000 | 4176.0000 | 4176.0000 |
| 7 | 1329.3000 | 1650.6001 | 1845.8999 | 1951.2000 | 2237.1001 | 2608.2000 | 3210.6001 | 3814.5000 | 4176.0000 | 4176.0000 |
| 8 | 1329.3000 | 1650.6001 | 1845.8999 | 1951.2000 | 2237.1001 | 2608.2000 | 3210.6001 | 3814.5000 | 4176.0000 | 4176.0000 |
| 9 | 1329.3000 | 1685.1001 | 1934.1001 | 1986.8999 | 2237.1001 | 2608.2000 | 3354.3000 | 4098.8984 | 4176.0000 | 4176.0000 |
| 10 | 1329.3000 | 1685.1001 | 1934.1001 | 1986.8999 | 2237.1001 | 2608.2000 | 3354.3000 | 4098.8984 | 4176.0000 | 4176.0000 |
| 11 | 1329.3000 | 1685.1001 | 2004.0000 | 2075.1001 | 2237.1001 | 2608.2000 | 3549.0000 | 4098.8984 | 4176.0000 | 4176.0000 |
| 12 | 1329.3000 | 1685.1001 | 2004.0000 | 2075.1001 | 2237.1001 | 2608.2000 | 3549.0000 | 4098.8984 | 4176.0000 | 4176.0000 |
| 13 | 1329.3000 | 1685.1001 | 2111.7000 | 2216.3999 | 2305.2000 | 2608.2000 | 3549.0000 | 4098.8984 | 4176.0000 | 4176.0000 |
| 14 | 1329.3000 | 1685.1001 | 2111.7000 | 2216.3999 | 2305.2000 | 2608.2000 | 3549.0000 | 4098.8984 | 4176.0000 | 4176.0000 |
| 15 | 1329.3000 | 1685.1001 | 2216.3999 | 2341.2000 | 2428.8000 | 2608.2000 | 3549.0000 | 4176.0000 | 4176.0000 | 4176.0000 |
| 16 | 1329.3000 | 1685.1001 | 2216.3999 | 2341.2000 | 2428.8000 | 2608.2000 | 3549.0000 | 4176.0000 | 4176.0000 | 4176.0000 |
| 17 | 1329.3000 | 1685.1001 | 2271.0000 | 2448.3000 | 2591.3999 | 2696.7000 | 3726.0000 | 4176.0000 | 4176.0000 | 4176.0000 |
| 18 | 1329.3000 | 1685.1001 | 2271.0000 | 2448.3000 | 2591.3999 | 2696.7000 | 3726.0000 | 4176.0000 | 4176.0000 | 4176.0000 |
| 19 | 1329.3000 | 1685.1001 | 2271.0000 | 2555.3999 | 2785.5000 | 3123.6001 | 4098.8984 | 4176.0000 | 4176.0000 | 4176.0000 |
| 20 | 1329.3000 | 1685.1001 | 2271.0000 | 2555.3999 | 2785.5000 | 3123.6001 | 4098.8984 | 4176.0000 | 4176.0000 | 4176.0000 |
| 21 | 1329.3000 | 1685.1001 | 2271.0000 | 2626.2000 | 2945.3999 | 3283.2000 | 4176.0000 | 4176.0000 | 4176.0000 | 4176.0000 |
| 22 | 1329.3000 | 1685.1001 | 2271.0000 | 2626.2000 | 2945.3999 | 3283.2000 | 4176.0000 | 4176.0000 | 4176.0000 | 4176.0000 |
| 23 | 1329.3000 | 1685.1001 | 2271.0000 | 2626.2000 | 3034.2000 | 3354.3000 | 4176.0000 | 4176.0000 | 4176.0000 | 4176.0000 |
| 24 | 1329.3000 | 1685.1001 | 2271.0000 | 2626.2000 | 3034.2000 | 3354.3000 | 4176.0000 | 4176.0000 | 4176.0000 | 4176.0000 |
| 25 | 1329.3000 | 1685.1001 | 2271.0000 | 2626.2000 | 3140.3999 | 3549.0000 | 4176.0000 | 4176.0000 | 4176.0000 | 4176.0000 |
| 26 | 1329.3000 | 1685.1001 | 2271.0000 | 2626.2000 | 3140.3999 | 3549.0000 | 4176.0000 | 4176.0000 | 4176.0000 | 4176.0000 |
| 27 | 1329.3000 | 1685.1001 | 2271.0000 | 2626.2000 | 3140.3999 | 3549.0000 | 4176.0000 | 4176.0000 | 4176.0000 | 4176.0000 |
| 28 | 1329.3000 | 1685.1001 | 2271.0000 | 2626.2000 | 3140.3999 | 3549.0000 | 4176.0000 | 4176.0000 | 4176.0000 | 4176.0000 |
| 29 | 1329.3000 | 1685.1001 | 2271.0000 | 2626.2000 | 3140.3999 | 3549.0000 | 4176.0000 | 4176.0000 | 4176.0000 | 4176.0000 |
| 30 | 1329.3000 | 1685.1001 | 2271.0000 | 2626.2000 | 3140.3999 | 3549.0000 | 4176.0000 | 4176.0000 | 4176.0000 | 4176.0000 |
| 31 | 1329.3000 | 1685.1001 | 2271.0000 | 2626.2000 | 3140.3999 | 3549.0000 | 4176.0000 | 4176.0000 | 4176.0000 | 4176.0000 |
| 32 | 1329.3000 | 1685.1001 | 2271.0000 | 2626.2000 | 3140.3999 | 3549.0000 | 4176.0000 | 4176.0000 | 4176.0000 | 4176.0000 |
| 33 | 1329.3000 | 1685.1001 | 2271.0000 | 2626.2000 | 3140.3999 | 3549.0000 | 4176.0000 | 4176.0000 | 4176.0000 | 4176.0000 |
| 34 | 1329.3000 | 1685.1001 | 2271.0000 | 2626.2000 | 3140.3999 | 3549.0000 | 4176.0000 | 4176.0000 | 4176.0000 | 4176.0000 |
| 35 | 1329.3000 | 1685.1001 | 2271.0000 | 2626.2000 | 3140.3999 | 3549.0000 | 4176.0000 | 4176.0000 | 4176.0000 | 4176.0000 |

[illegible]

The image shows a vertical strip of a document page, likely from a continuous roll of paper. It features a repeating pattern of horizontal lines and circular punch holes, suggesting a continuous roll of paper. The text is mostly illegible due to the high contrast and noise, but some fragments are visible, such as "THE" and "THE" on the left side, and "THE" on the right side. The overall appearance is that of a heavily degraded or noisy scan of a document page.

FILE NUMBER = 31
 TITLE=CF--TOTAL BAQ, ARMY OFFICERS, F 32 (INCL BAQ W/DEP, BAQ W/O DEP, PARTIAL

| YOS | GRD 01 | GRD 02 | GRD 03 | GRD 04 | GRD 05 | GRD 06 | GRD 07 | GRD 08 | GRD 09 | GRD 10 |
|-----|----------|----------|----------|----------|----------|----------|----------|----------|----------|--------|
| 1 | 118.2057 | 170.2655 | 231.1011 | 259.2725 | 308.1560 | 311.0806 | 158.4267 | 147.7842 | 152.9250 | 0.0 |
| 2 | 118.8057 | 170.2655 | 231.1011 | 259.2725 | 308.1560 | 311.0806 | 158.4267 | 147.7842 | 152.9250 | 0.0 |
| 3 | 118.8057 | 170.2655 | 231.1011 | 259.2725 | 308.1560 | 311.0806 | 158.4267 | 147.7842 | 152.9250 | 0.0 |
| 4 | 118.8057 | 170.2655 | 231.1011 | 259.2725 | 308.1560 | 311.0806 | 158.4267 | 147.7842 | 152.9250 | 0.0 |
| 5 | 118.8057 | 170.2655 | 231.1011 | 259.2725 | 308.1560 | 311.0806 | 158.4267 | 147.7842 | 152.9250 | 0.0 |
| 6 | 118.8057 | 170.2655 | 231.1011 | 259.2725 | 308.1560 | 311.0806 | 158.4267 | 147.7842 | 152.9250 | 0.0 |
| 7 | 118.8057 | 170.2655 | 231.1011 | 259.2725 | 308.1560 | 311.0806 | 158.4267 | 147.7842 | 152.9250 | 0.0 |
| 8 | 118.8057 | 170.2655 | 231.1011 | 259.2725 | 308.1560 | 311.0806 | 158.4267 | 147.7842 | 152.9250 | 0.0 |
| 9 | 118.8057 | 170.2655 | 231.1011 | 259.2725 | 308.1560 | 311.0806 | 158.4267 | 147.7842 | 152.9250 | 0.0 |
| 10 | 118.8057 | 170.2655 | 231.1011 | 259.2725 | 308.1560 | 311.0806 | 158.4267 | 147.7842 | 152.9250 | 0.0 |
| 11 | 118.8057 | 170.2655 | 231.1011 | 259.2725 | 308.1560 | 311.0806 | 158.4267 | 147.7842 | 152.9250 | 0.0 |
| 12 | 118.8057 | 170.2655 | 231.1011 | 259.2725 | 308.1560 | 311.0806 | 158.4267 | 147.7842 | 152.9250 | 0.0 |
| 13 | 118.8057 | 170.2655 | 231.1011 | 259.2725 | 308.1560 | 311.0806 | 158.4267 | 147.7842 | 152.9250 | 0.0 |
| 14 | 118.8057 | 170.2655 | 231.1011 | 259.2725 | 308.1560 | 311.0806 | 158.4267 | 147.7842 | 152.9250 | 0.0 |
| 15 | 118.8057 | 170.2655 | 231.1011 | 259.2725 | 308.1560 | 311.0806 | 158.4267 | 147.7842 | 152.9250 | 0.0 |
| 16 | 118.8057 | 170.2655 | 231.1011 | 259.2725 | 308.1560 | 311.0806 | 158.4267 | 147.7842 | 152.9250 | 0.0 |
| 17 | 118.8057 | 170.2655 | 231.1011 | 259.2725 | 308.1560 | 311.0806 | 158.4267 | 147.7842 | 152.9250 | 0.0 |
| 18 | 118.8057 | 170.2655 | 231.1011 | 259.2725 | 308.1560 | 311.0806 | 158.4267 | 147.7842 | 152.9250 | 0.0 |
| 19 | 118.8057 | 170.2655 | 231.1011 | 259.2725 | 308.1560 | 311.0806 | 158.4267 | 147.7842 | 152.9250 | 0.0 |
| 20 | 118.8057 | 170.2655 | 231.1011 | 259.2725 | 308.1560 | 311.0806 | 158.4267 | 147.7842 | 152.9250 | 0.0 |
| 21 | 118.8057 | 170.2655 | 231.1011 | 259.2725 | 308.1560 | 311.0806 | 158.4267 | 147.7842 | 152.9250 | 0.0 |
| 22 | 118.8057 | 170.2655 | 231.1011 | 259.2725 | 308.1560 | 311.0806 | 158.4267 | 147.7842 | 152.9250 | 0.0 |
| 23 | 118.8057 | 170.2655 | 231.1011 | 259.2725 | 308.1560 | 311.0806 | 158.4267 | 147.7842 | 152.9250 | 0.0 |
| 24 | 118.8057 | 170.2655 | 231.1011 | 259.2725 | 308.1560 | 311.0806 | 158.4267 | 147.7842 | 152.9250 | 0.0 |
| 25 | 118.8057 | 170.2655 | 231.1011 | 259.2725 | 308.1560 | 311.0806 | 158.4267 | 147.7842 | 152.9250 | 0.0 |
| 26 | 118.8057 | 170.2655 | 231.1011 | 259.2725 | 308.1560 | 311.0806 | 158.4267 | 147.7842 | 152.9250 | 0.0 |
| 27 | 118.8057 | 170.2655 | 231.1011 | 259.2725 | 308.1560 | 311.0806 | 158.4267 | 147.7842 | 152.9250 | 0.0 |
| 28 | 118.8057 | 170.2655 | 231.1011 | 259.2725 | 308.1560 | 311.0806 | 158.4267 | 147.7842 | 152.9250 | 0.0 |
| 29 | 118.8057 | 170.2655 | 231.1011 | 259.2725 | 308.1560 | 311.0806 | 158.4267 | 147.7842 | 152.9250 | 0.0 |
| 30 | 118.8057 | 170.2655 | 231.1011 | 259.2725 | 308.1560 | 311.0806 | 158.4267 | 147.7842 | 152.9250 | 0.0 |
| 31 | 118.8057 | 170.2655 | 231.1011 | 259.2725 | 308.1560 | 311.0806 | 158.4267 | 147.7842 | 152.9250 | 0.0 |
| 32 | 118.8057 | 170.2655 | 231.1011 | 259.2725 | 308.1560 | 311.0806 | 158.4267 | 147.7842 | 152.9250 | 0.0 |
| 33 | 118.8057 | 170.2655 | 231.1011 | 259.2725 | 308.1560 | 311.0806 | 158.4267 | 147.7842 | 152.9250 | 0.0 |
| 34 | 118.8057 | 170.2655 | 231.1011 | 259.2725 | 308.1560 | 311.0806 | 158.4267 | 147.7842 | 152.9250 | 0.0 |
| 35 | 118.8057 | 170.2655 | 231.1011 | 259.2725 | 308.1560 | 311.0806 | 158.4267 | 147.7842 | 152.9250 | 0.0 |

FILE NUMBER = 34
TITLE=CF--MONTHLY FICA FOR OFFICERS, FY82

| YOS | GRD 01 | GRD 02 | GRD 03 | GRD 04 | GRD 05 | GRD 06 | GRD 07 | GRD 08 | GRD 09 | GRD 10 |
|-----|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 1 | 70.6318 | 81.3610 | 93.3134 | 100.4127 | 119.1236 | 148.9445 | 184.3365 | 187.5518 | 180.8276 | 180.8276 |
| 2 | 70.6318 | 81.3610 | 93.3134 | 100.4127 | 119.1236 | 148.9445 | 184.3365 | 187.5518 | 180.8276 | 180.8276 |
| 3 | 73.5157 | 88.8614 | 104.3233 | 122.2520 | 139.9000 | 163.6646 | 185.7492 | 182.8276 | 180.8276 | 180.8276 |
| 4 | 88.8614 | 106.7499 | 111.5229 | 130.4343 | 149.5462 | 174.3536 | 185.7492 | 180.8276 | 180.8276 | 180.8276 |
| 5 | 88.8614 | 110.3397 | 123.3951 | 130.4343 | 149.5462 | 174.3536 | 185.7492 | 180.8276 | 180.8276 | 180.8276 |
| 6 | 88.8614 | 110.3397 | 123.3951 | 130.4343 | 149.5462 | 174.3536 | 185.7492 | 180.8276 | 180.8276 | 180.8276 |
| 7 | 88.8614 | 112.6460 | 129.2912 | 132.8208 | 149.5462 | 174.3536 | 186.6993 | 180.8276 | 180.8276 | 180.8276 |
| 8 | 88.8614 | 112.6460 | 129.2912 | 132.8208 | 149.5462 | 174.3536 | 186.6993 | 180.8276 | 180.8276 | 180.8276 |
| 9 | 88.8614 | 112.6460 | 133.9639 | 138.7168 | 149.5462 | 174.3536 | 186.6993 | 180.8276 | 180.8276 | 180.8276 |
| 10 | 88.8614 | 112.6460 | 133.9639 | 138.7168 | 149.5462 | 174.3536 | 186.6993 | 180.8276 | 180.8276 | 180.8276 |
| 11 | 88.8614 | 112.6460 | 141.1634 | 148.1624 | 154.0986 | 174.3536 | 187.9866 | 180.8276 | 180.8276 | 180.8276 |
| 12 | 88.8614 | 112.6460 | 141.1634 | 148.1624 | 154.0986 | 174.3536 | 187.9866 | 180.8276 | 180.8276 | 180.8276 |
| 13 | 88.8614 | 112.6460 | 148.1624 | 156.5051 | 162.3610 | 174.3536 | 187.9866 | 180.8276 | 180.8276 | 180.8276 |
| 14 | 88.8614 | 112.6460 | 148.1624 | 156.5051 | 162.3610 | 174.3536 | 187.9866 | 180.8276 | 180.8276 | 180.8276 |
| 15 | 88.8614 | 112.6460 | 151.8123 | 163.6646 | 173.2305 | 180.2696 | 182.8279 | 180.8276 | 180.8276 | 180.8276 |
| 16 | 88.8614 | 112.6460 | 151.8123 | 163.6646 | 173.2305 | 180.2696 | 182.8279 | 180.8276 | 180.8276 | 180.8276 |
| 17 | 88.8614 | 112.6460 | 151.8123 | 170.8240 | 182.9386 | 185.1740 | 180.8276 | 180.8276 | 180.8276 | 180.8276 |
| 18 | 88.8614 | 112.6460 | 151.8123 | 170.8240 | 182.9386 | 185.1740 | 180.8276 | 180.8276 | 180.8276 | 180.8276 |
| 19 | 88.8614 | 112.6460 | 151.8123 | 175.5568 | 183.9958 | 186.2292 | 180.8276 | 180.8276 | 180.8276 | 180.8276 |
| 20 | 88.8614 | 112.6460 | 151.8123 | 175.5568 | 183.9958 | 186.2292 | 180.8276 | 180.8276 | 180.8276 | 180.8276 |
| 21 | 88.8614 | 112.6460 | 151.8123 | 175.5568 | 184.5829 | 186.6993 | 180.8276 | 180.8276 | 180.8276 | 180.8276 |
| 22 | 88.8614 | 112.6460 | 151.8123 | 175.5568 | 184.5829 | 186.6993 | 180.8276 | 180.8276 | 180.8276 | 180.8276 |
| 23 | 88.8614 | 112.6460 | 151.8123 | 175.5568 | 185.2851 | 187.9866 | 180.8276 | 180.8276 | 180.8276 | 180.8276 |
| 24 | 88.8614 | 112.6460 | 151.8123 | 175.5568 | 185.2851 | 187.9866 | 180.8276 | 180.8276 | 180.8276 | 180.8276 |
| 25 | 88.8614 | 112.6460 | 151.8123 | 175.5568 | 185.2851 | 187.9866 | 180.8276 | 180.8276 | 180.8276 | 180.8276 |
| 26 | 88.8614 | 112.6460 | 151.8123 | 175.5568 | 185.2851 | 187.9866 | 180.8276 | 180.8276 | 180.8276 | 180.8276 |
| 27 | 88.8614 | 112.6460 | 151.8123 | 175.5568 | 185.2851 | 187.9866 | 180.8276 | 180.8276 | 180.8276 | 180.8276 |
| 28 | 88.8614 | 112.6460 | 151.8123 | 175.5568 | 185.2851 | 187.9866 | 180.8276 | 180.8276 | 180.8276 | 180.8276 |
| 29 | 88.8614 | 112.6460 | 151.8123 | 175.5568 | 185.2851 | 187.9866 | 180.8276 | 180.8276 | 180.8276 | 180.8276 |
| 30 | 88.8614 | 112.6460 | 151.8123 | 175.5568 | 185.2851 | 187.9866 | 180.8276 | 180.8276 | 180.8276 | 180.8276 |
| 31 | 88.8614 | 112.6460 | 151.8123 | 175.5568 | 185.2851 | 187.9866 | 180.8276 | 180.8276 | 180.8276 | 180.8276 |
| 32 | 88.8614 | 112.6460 | 151.8123 | 175.5568 | 185.2851 | 187.9866 | 180.8276 | 180.8276 | 180.8276 | 180.8276 |
| 33 | 88.8614 | 112.6460 | 151.8123 | 175.5568 | 185.2851 | 187.9866 | 180.8276 | 180.8276 | 180.8276 | 180.8276 |
| 34 | 88.8614 | 112.6460 | 151.8123 | 175.5568 | 185.2851 | 187.9866 | 180.8276 | 180.8276 | 180.8276 | 180.8276 |
| 35 | 88.8614 | 112.6460 | 151.8123 | 175.5568 | 185.2851 | 187.9866 | 180.8276 | 180.8276 | 180.8276 | 180.8276 |

FILE NUMBER = 37
 TITLE=CF--TOTAL VNA, ARMY OFFICER, FY82

| YOS | GRD 01 | GRD 02 | GRD 03 | GRD 04 | GRD 05 | GRD 06 | GRD 07 | GRD 08 | GRD 09 | GRD 10 |
|-----|---------|--------|---------|---------|---------|---------|---------|---------|---------|--------|
| 1 | 18.1400 | 8.7500 | 31.4900 | 59.4100 | 71.3000 | 65.8100 | 33.8000 | 32.1200 | 31.8400 | 0.0 |
| 2 | 18.1400 | 8.7500 | 31.4900 | 59.4100 | 71.3000 | 65.8100 | 33.8000 | 32.1200 | 31.8400 | 0.0 |
| 3 | 18.1400 | 8.7500 | 31.4900 | 59.4100 | 71.3000 | 65.8100 | 33.8000 | 32.1200 | 31.8400 | 0.0 |
| 4 | 18.1400 | 8.7500 | 31.4900 | 59.4100 | 71.3000 | 65.8100 | 33.8000 | 32.1200 | 31.8400 | 0.0 |
| 5 | 18.1400 | 8.7500 | 31.4900 | 59.4100 | 71.3000 | 65.8100 | 33.8000 | 32.1200 | 31.8400 | 0.0 |
| 6 | 18.1400 | 8.7500 | 31.4900 | 59.4100 | 71.3000 | 65.8100 | 33.8000 | 32.1200 | 31.8400 | 0.0 |
| 7 | 18.1400 | 8.7500 | 31.4900 | 59.4100 | 71.3000 | 65.8100 | 33.8000 | 32.1200 | 31.8400 | 0.0 |
| 8 | 18.1400 | 8.7500 | 31.4900 | 59.4100 | 71.3000 | 65.8100 | 33.8000 | 32.1200 | 31.8400 | 0.0 |
| 9 | 18.1400 | 8.7500 | 31.4900 | 59.4100 | 71.3000 | 65.8100 | 33.8000 | 32.1200 | 31.8400 | 0.0 |
| 10 | 18.1400 | 8.7500 | 31.4900 | 59.4100 | 71.3000 | 65.8100 | 33.8000 | 32.1200 | 31.8400 | 0.0 |
| 11 | 18.1400 | 8.7500 | 31.4900 | 59.4100 | 71.3000 | 65.8100 | 33.8000 | 32.1200 | 31.8400 | 0.0 |
| 12 | 18.1400 | 8.7500 | 31.4900 | 59.4100 | 71.3000 | 65.8100 | 33.8000 | 32.1200 | 31.8400 | 0.0 |
| 13 | 18.1400 | 8.7500 | 31.4900 | 59.4100 | 71.3000 | 65.8100 | 33.8000 | 32.1200 | 31.8400 | 0.0 |
| 14 | 18.1400 | 8.7500 | 31.4900 | 59.4100 | 71.3000 | 65.8100 | 33.8000 | 32.1200 | 31.8400 | 0.0 |
| 15 | 18.1400 | 8.7500 | 31.4900 | 59.4100 | 71.3000 | 65.8100 | 33.8000 | 32.1200 | 31.8400 | 0.0 |
| 16 | 18.1400 | 8.7500 | 31.4900 | 59.4100 | 71.3000 | 65.8100 | 33.8000 | 32.1200 | 31.8400 | 0.0 |
| 17 | 18.1400 | 8.7500 | 31.4900 | 59.4100 | 71.3000 | 65.8100 | 33.8000 | 32.1200 | 31.8400 | 0.0 |
| 18 | 18.1400 | 8.7500 | 31.4900 | 59.4100 | 71.3000 | 65.8100 | 33.8000 | 32.1200 | 31.8400 | 0.0 |
| 19 | 18.1400 | 8.7500 | 31.4900 | 59.4100 | 71.3000 | 65.8100 | 33.8000 | 32.1200 | 31.8400 | 0.0 |
| 20 | 18.1400 | 8.7500 | 31.4900 | 59.4100 | 71.3000 | 65.8100 | 33.8000 | 32.1200 | 31.8400 | 0.0 |
| 21 | 18.1400 | 8.7500 | 31.4900 | 59.4100 | 71.3000 | 65.8100 | 33.8000 | 32.1200 | 31.8400 | 0.0 |
| 22 | 18.1400 | 8.7500 | 31.4900 | 59.4100 | 71.3000 | 65.8100 | 33.8000 | 32.1200 | 31.8400 | 0.0 |
| 23 | 18.1400 | 8.7500 | 31.4900 | 59.4100 | 71.3000 | 65.8100 | 33.8000 | 32.1200 | 31.8400 | 0.0 |
| 24 | 18.1400 | 8.7500 | 31.4900 | 59.4100 | 71.3000 | 65.8100 | 33.8000 | 32.1200 | 31.8400 | 0.0 |
| 25 | 18.1400 | 8.7500 | 31.4900 | 59.4100 | 71.3000 | 65.8100 | 33.8000 | 32.1200 | 31.8400 | 0.0 |
| 26 | 18.1400 | 8.7500 | 31.4900 | 59.4100 | 71.3000 | 65.8100 | 33.8000 | 32.1200 | 31.8400 | 0.0 |
| 27 | 18.1400 | 8.7500 | 31.4900 | 59.4100 | 71.3000 | 65.8100 | 33.8000 | 32.1200 | 31.8400 | 0.0 |
| 28 | 18.1400 | 8.7500 | 31.4900 | 59.4100 | 71.3000 | 65.8100 | 33.8000 | 32.1200 | 31.8400 | 0.0 |
| 29 | 18.1400 | 8.7500 | 31.4900 | 59.4100 | 71.3000 | 65.8100 | 33.8000 | 32.1200 | 31.8400 | 0.0 |
| 30 | 18.1400 | 8.7500 | 31.4900 | 59.4100 | 71.3000 | 65.8100 | 33.8000 | 32.1200 | 31.8400 | 0.0 |
| 31 | 18.1400 | 8.7500 | 31.4900 | 59.4100 | 71.3000 | 65.8100 | 33.8000 | 32.1200 | 31.8400 | 0.0 |
| 32 | 18.1400 | 8.7500 | 31.4900 | 59.4100 | 71.3000 | 65.8100 | 33.8000 | 32.1200 | 31.8400 | 0.0 |
| 33 | 18.1400 | 8.7500 | 31.4900 | 59.4100 | 71.3000 | 65.8100 | 33.8000 | 32.1200 | 31.8400 | 0.0 |
| 34 | 18.1400 | 8.7500 | 31.4900 | 59.4100 | 71.3000 | 65.8100 | 33.8000 | 32.1200 | 31.8400 | 0.0 |
| 35 | 18.1400 | 8.7500 | 31.4900 | 59.4100 | 71.3000 | 65.8100 | 33.8000 | 32.1200 | 31.8400 | 0.0 |

FILE NUMBER = 40
TITLE=ENT--CLOTHING MAINT ALLOWANCE, BASIC & STANDARD, ENLISTED, ALL SVCS

| YOS | GRD 01 | GRD 02 | GRD 03 | GRD 04 | GRD 05 | GRD 06 | GRD 07 | GRD 08 | GRD 09 | GRD 10 |
|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1 | 0.5000 | 0.5000 | 0.5000 | 0.5000 | 0.5000 | 0.5000 | 0.5000 | 0.5000 | 0.5000 | 0.5000 |
| 2 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 3 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 4 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 6 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 7 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 8 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 9 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 10 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 11 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 12 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 13 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 16 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 17 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 18 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 19 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 20 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 21 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 22 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 23 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 24 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 25 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 26 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 27 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 28 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 29 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 30 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 31 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 32 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 33 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 34 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 35 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |

H-251

[illegible]

H-252

H-253

[illegible]

H-254

[illegible]

TITLE=CF--TERMINAL LEAVE, ARMY OFFICER, FY82

[illegible]

H-256

FILE NUMBER = 57
 TITLE=CF--OFFICER SEPARATION PAY (10%*YOS*ANNUAL BASIC PAY, MAX=\$30000)

| YOS | GRD 01 | GRD 02 | GRD 03 | GRD 04 | GRD 05 | GRD 06 | GRD 07 | GRD 08 | GRD 09 | GRD 10 |
|-----|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| 1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 6 | 9570.9570 | 11884.3203 | 13290.5766 | 14088.6367 | 16107.1172 | 18779.6391 | 23116.3164 | 27464.3984 | 30900.0000 | 30900.0000 |
| 7 | 11166.1172 | 14154.8398 | 16246.4375 | 16689.9570 | 18791.6367 | 21908.8750 | 28176.1172 | 30000.0000 | 30000.0000 | 30000.0000 |
| 8 | 12761.2773 | 16176.9609 | 18567.3594 | 19074.2383 | 21476.1602 | 25038.7187 | 30000.0000 | 30000.0000 | 30000.0000 | 30000.0000 |
| 9 | 14356.4375 | 18199.0781 | 21643.1992 | 22411.0781 | 24160.6797 | 28168.5586 | 30000.0000 | 30000.0000 | 30000.0000 | 30000.0000 |
| 10 | 15951.5977 | 20221.1992 | 24048.0000 | 24901.1992 | 26845.1992 | 30000.0000 | 30000.0000 | 30000.0000 | 30000.0000 | 30000.0000 |
| 11 | 17546.7578 | 22243.3203 | 27874.4375 | 29256.4765 | 30000.0000 | 30000.0000 | 30000.0000 | 30000.0000 | 30000.0000 | 30000.0000 |
| 12 | 19141.9180 | 24265.4375 | 30000.0000 | 30000.0000 | 30000.0000 | 30000.0000 | 30000.0000 | 30000.0000 | 30000.0000 | 30000.0000 |
| 13 | 20737.0781 | 26287.5586 | 30000.0000 | 30000.0000 | 30000.0000 | 30000.0000 | 30000.0000 | 30000.0000 | 30000.0000 | 30000.0000 |
| 14 | 22332.2422 | 28309.6836 | 30000.0000 | 30000.0000 | 30000.0000 | 30000.0000 | 30000.0000 | 30000.0000 | 30000.0000 | 30000.0000 |
| 15 | 23927.3984 | 30000.0000 | 30000.0000 | 30000.0000 | 30000.0000 | 30000.0000 | 30000.0000 | 30000.0000 | 30000.0000 | 30000.0000 |
| 16 | 25522.5547 | 30000.0000 | 30000.0000 | 30000.0000 | 30000.0000 | 30000.0000 | 30000.0000 | 30000.0000 | 30000.0000 | 30000.0000 |
| 17 | 27117.7109 | 30000.0000 | 30000.0000 | 30000.0000 | 30000.0000 | 30000.0000 | 30000.0000 | 30000.0000 | 30000.0000 | 30000.0000 |
| 18 | 28712.8867 | 30000.0000 | 30000.0000 | 30000.0000 | 30000.0000 | 30000.0000 | 30000.0000 | 30000.0000 | 30000.0000 | 30000.0000 |
| 19 | 30000.0000 | 30000.0000 | 30000.0000 | 30000.0000 | 30000.0000 | 30000.0000 | 30000.0000 | 30000.0000 | 30000.0000 | 30000.0000 |
| 20 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 21 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 22 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 23 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 24 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 25 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 26 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 27 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 28 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 29 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 30 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 31 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 32 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 33 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 34 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 35 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

H-257

FILE NUMBER = 60
TITLE=CF--OFFICER DISABILITY SEV. PAY (2*YOS*MONTHLY BASIC PAY, MAX=24 MONTH

| YOS | GRD 01 | GRD 02 | GRD 03 | GRD 04 | GRD 05 | GRD 06 | GRD 07 | GRD 08 | GRD 09 | GRD 10 |
|-----|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| 1 | 2113.2002 | 2434.2002 | 2791.7998 | 3004.2002 | 3564.0000 | 4456.1992 | 6012.0000 | 7235.3984 | 7988.3984 | 8352.0000 |
| 2 | 4226.3984 | 4868.3984 | 5583.5977 | 6008.3984 | 7128.0000 | 8912.3984 | 12024.0000 | 14470.7969 | 15916.7969 | 16704.0000 |
| 3 | 6598.7969 | 7975.7969 | 9363.5977 | 10972.7969 | 12556.7969 | 14689.7969 | 19263.5977 | 22356.0000 | 24593.3906 | 25056.0000 |
| 4 | 10634.3984 | 12775.1992 | 13346.3984 | 15609.5977 | 17896.8008 | 20865.5977 | 25684.8008 | 30516.0000 | 33408.0000 | 33408.0000 |
| 5 | 13293.0000 | 16506.0000 | 18458.9961 | 19511.9961 | 22371.0000 | 26081.9961 | 32106.0000 | 38145.0000 | 41760.0000 | 41760.0000 |
| 6 | 15951.5977 | 19807.1992 | 22150.7969 | 23414.3984 | 26845.1992 | 31298.3984 | 38527.1992 | 45774.0000 | 50112.0000 | 50112.0000 |
| 7 | 18610.1992 | 23591.3984 | 27077.3984 | 27816.5977 | 31319.3984 | 36514.7969 | 43960.1992 | 53403.0000 | 58464.0000 | 58464.0000 |
| 8 | 21268.8008 | 26961.6016 | 30945.6016 | 31790.3984 | 35793.6016 | 41731.1992 | 53668.8008 | 61032.0000 | 66816.0000 | 66816.0000 |
| 9 | 23927.3984 | 30331.8008 | 36072.0000 | 37351.8008 | 40267.8008 | 46947.5977 | 60377.3984 | 73780.1250 | 75168.0000 | 75168.0000 |
| 10 | 26586.0000 | 33702.6000 | 40090.0000 | 41502.0000 | 44742.0000 | 52163.9961 | 67086.0000 | 81977.9375 | 83520.0000 | 83520.0000 |
| 11 | 29244.5977 | 37072.1992 | 46457.3984 | 48760.7969 | 50714.3984 | 57380.3984 | 78078.0000 | 90175.7500 | 91872.0000 | 91872.0000 |
| 12 | 31903.1992 | 40442.4023 | 50680.7969 | 53193.5977 | 55324.7969 | 62596.7969 | 85176.0000 | 98373.5625 | 100224.000 | 100224.000 |
| 13 | 31903.1992 | 40442.4023 | 53193.5977 | 56188.7969 | 58291.1992 | 62596.7969 | 85176.0000 | 100224.000 | 100224.000 | 100224.000 |
| 14 | 31903.1992 | 40442.4023 | 53193.5977 | 56188.7969 | 58291.1992 | 62596.7969 | 85176.0000 | 100224.000 | 100224.000 | 100224.000 |
| 15 | 31903.1992 | 40442.4023 | 54504.0000 | 58759.1992 | 62193.5977 | 64720.7969 | 89424.0000 | 100224.000 | 100224.000 | 100224.000 |
| 16 | 31903.1992 | 40442.4023 | 54504.0000 | 58759.1992 | 62193.5977 | 64720.7969 | 89424.0000 | 100224.000 | 100224.000 | 100224.000 |
| 17 | 31903.1992 | 40442.4023 | 54504.0000 | 61329.5977 | 66852.0000 | 74966.3750 | 98373.5625 | 100224.000 | 100224.000 | 100224.000 |
| 18 | 31903.1992 | 40442.4023 | 54504.0000 | 61329.5977 | 66852.0000 | 74966.3750 | 98373.5625 | 100224.000 | 100224.000 | 100224.000 |
| 19 | 31903.1992 | 40442.4023 | 54504.0000 | 63028.7969 | 70689.5625 | 78796.7500 | 100224.000 | 100224.000 | 100224.000 | 100224.000 |
| 20 | 31903.1992 | 40442.4023 | 54504.0000 | 63028.7969 | 70689.5625 | 78796.7500 | 100224.000 | 100224.000 | 100224.000 | 100224.000 |
| 21 | 31903.1992 | 40442.4023 | 54504.0000 | 63028.7969 | 72820.7500 | 80503.1875 | 100224.000 | 100224.000 | 100224.000 | 100224.000 |
| 22 | 31903.1992 | 40442.4023 | 54504.0000 | 63028.7969 | 72820.7500 | 80503.1875 | 100224.000 | 100224.000 | 100224.000 | 100224.000 |
| 23 | 31903.1992 | 40442.4023 | 54504.0000 | 63028.7969 | 75369.5625 | 85176.0000 | 100224.000 | 100224.000 | 100224.000 | 100224.000 |
| 24 | 31903.1992 | 40442.4023 | 54504.0000 | 63028.7969 | 75369.5625 | 85176.0000 | 100224.000 | 100224.000 | 100224.000 | 100224.000 |
| 25 | 31903.1992 | 40442.4023 | 54504.0000 | 63028.7969 | 75369.5625 | 85176.0000 | 100224.000 | 100224.000 | 100224.000 | 100224.000 |
| 26 | 31903.1992 | 40442.4023 | 54504.0000 | 63028.7969 | 75369.5625 | 85176.0000 | 100224.000 | 100224.000 | 100224.000 | 100224.000 |
| 27 | 31903.1992 | 40442.4023 | 54504.0000 | 63028.7969 | 75369.5625 | 92376.0000 | 100224.000 | 100224.000 | 100224.000 | 100224.000 |
| 28 | 31903.1992 | 40442.4023 | 54504.0000 | 63028.7969 | 75369.5625 | 92376.0000 | 100224.000 | 100224.000 | 100224.000 | 100224.000 |
| 29 | 31903.1992 | 40442.4023 | 54504.0000 | 63028.7969 | 75369.5625 | 92376.0000 | 100224.000 | 100224.000 | 100224.000 | 100224.000 |
| 30 | 31903.1992 | 40442.4023 | 54504.0000 | 63028.7969 | 75369.5625 | 92376.0000 | 100224.000 | 100224.000 | 100224.000 | 100224.000 |
| 31 | 31903.1992 | 40442.4023 | 54504.0000 | 63028.7969 | 75369.5625 | 92376.0000 | 100224.000 | 100224.000 | 100224.000 | 100224.000 |
| 32 | 31903.1992 | 40442.4023 | 54504.0000 | 63028.7969 | 75369.5625 | 92376.0000 | 100224.000 | 100224.000 | 100224.000 | 100224.000 |
| 33 | 31903.1992 | 40442.4023 | 54504.0000 | 63028.7969 | 75369.5625 | 92376.0000 | 100224.000 | 100224.000 | 100224.000 | 100224.000 |
| 34 | 31903.1992 | 40442.4023 | 54504.0000 | 63028.7969 | 75369.5625 | 92376.0000 | 100224.000 | 100224.000 | 100224.000 | 100224.000 |
| 35 | 31903.1992 | 40442.4023 | 54504.0000 | 63028.7969 | 75369.5625 | 92376.0000 | 100224.000 | 100224.000 | 100224.000 | 100224.000 |

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[illegible]

H-259

FILE NUMBER = 77
 TITLE=CF--TOTAL BAQ, USAF OFFICERS, FY82 (INCL BAQ W/DEP, W/O DEP, PRTL, INAD)

| YOS | GRD 01 | GRD 02 | GRD 03 | GRD 04 | GRD 05 | GRD 06 | GRD 07 | GRD 08 | GRD 09 | GRD 10 |
|-----|----------|----------|----------|----------|----------|----------|----------|----------|----------|--------|
| 1 | 165.7730 | 205.5968 | 291.2324 | 343.8137 | 384.3867 | 339.4666 | 153.1614 | 152.5497 | 152.0625 | 0.0 |
| 2 | 165.7730 | 205.5968 | 291.2324 | 343.8137 | 384.3867 | 339.4666 | 153.1614 | 152.5497 | 152.0625 | 0.0 |
| 3 | 165.7730 | 205.5968 | 291.2324 | 343.8137 | 384.3867 | 339.4666 | 153.1614 | 152.5497 | 152.0625 | 0.0 |
| 4 | 165.7730 | 205.5968 | 291.2324 | 343.8137 | 384.3867 | 339.4666 | 153.1614 | 152.5497 | 152.0625 | 0.0 |
| 5 | 165.7730 | 205.5968 | 291.2324 | 343.8137 | 384.3867 | 339.4666 | 153.1614 | 152.5497 | 152.0625 | 0.0 |
| 6 | 165.7730 | 205.5968 | 291.2324 | 343.8137 | 384.3867 | 339.4666 | 153.1614 | 152.5497 | 152.0625 | 0.0 |
| 7 | 165.7730 | 205.5968 | 291.2324 | 343.8137 | 384.3867 | 339.4666 | 153.1614 | 152.5497 | 152.0625 | 0.0 |
| 8 | 165.7730 | 205.5968 | 291.2324 | 343.8137 | 384.3867 | 339.4666 | 153.1614 | 152.5497 | 152.0625 | 0.0 |
| 9 | 165.7730 | 205.5968 | 291.2324 | 343.8137 | 384.3867 | 339.4666 | 153.1614 | 152.5497 | 152.0625 | 0.0 |
| 10 | 165.7730 | 205.5968 | 291.2324 | 343.8137 | 384.3867 | 339.4666 | 153.1614 | 152.5497 | 152.0625 | 0.0 |
| 11 | 165.7730 | 205.5968 | 291.2324 | 343.8137 | 384.3867 | 339.4666 | 153.1614 | 152.5497 | 152.0625 | 0.0 |
| 12 | 165.7730 | 205.5968 | 291.2324 | 343.8137 | 384.3867 | 339.4666 | 153.1614 | 152.5497 | 152.0625 | 0.0 |
| 13 | 165.7730 | 205.5968 | 291.2324 | 343.8137 | 384.3867 | 339.4666 | 153.1614 | 152.5497 | 152.0625 | 0.0 |
| 14 | 165.7730 | 205.5968 | 291.2324 | 343.8137 | 384.3867 | 339.4666 | 153.1614 | 152.5497 | 152.0625 | 0.0 |
| 15 | 165.7730 | 205.5968 | 291.2324 | 343.8137 | 384.3867 | 339.4666 | 153.1614 | 152.5497 | 152.0625 | 0.0 |
| 16 | 165.7730 | 205.5968 | 291.2324 | 343.8137 | 384.3867 | 339.4666 | 153.1614 | 152.5497 | 152.0625 | 0.0 |
| 17 | 165.7730 | 205.5968 | 291.2324 | 343.8137 | 384.3867 | 339.4666 | 153.1614 | 152.5497 | 152.0625 | 0.0 |
| 18 | 165.7730 | 205.5968 | 291.2324 | 343.8137 | 384.3867 | 339.4666 | 153.1614 | 152.5497 | 152.0625 | 0.0 |
| 19 | 165.7730 | 205.5968 | 291.2324 | 343.8137 | 384.3867 | 339.4666 | 153.1614 | 152.5497 | 152.0625 | 0.0 |
| 20 | 165.7730 | 205.5968 | 291.2324 | 343.8137 | 384.3867 | 339.4666 | 153.1614 | 152.5497 | 152.0625 | 0.0 |
| 21 | 165.7730 | 205.5968 | 291.2324 | 343.8137 | 384.3867 | 339.4666 | 153.1614 | 152.5497 | 152.0625 | 0.0 |
| 22 | 165.7730 | 205.5968 | 291.2324 | 343.8137 | 384.3867 | 339.4666 | 153.1614 | 152.5497 | 152.0625 | 0.0 |
| 23 | 165.7730 | 205.5968 | 291.2324 | 343.8137 | 384.3867 | 339.4666 | 153.1614 | 152.5497 | 152.0625 | 0.0 |
| 24 | 165.7730 | 205.5968 | 291.2324 | 343.8137 | 384.3867 | 339.4666 | 153.1614 | 152.5497 | 152.0625 | 0.0 |
| 25 | 165.7730 | 205.5968 | 291.2324 | 343.8137 | 384.3867 | 339.4666 | 153.1614 | 152.5497 | 152.0625 | 0.0 |
| 26 | 165.7730 | 205.5968 | 291.2324 | 343.8137 | 384.3867 | 339.4666 | 153.1614 | 152.5497 | 152.0625 | 0.0 |
| 27 | 165.7730 | 205.5968 | 291.2324 | 343.8137 | 384.3867 | 339.4666 | 153.1614 | 152.5497 | 152.0625 | 0.0 |
| 28 | 165.7730 | 205.5968 | 291.2324 | 343.8137 | 384.3867 | 339.4666 | 153.1614 | 152.5497 | 152.0625 | 0.0 |
| 29 | 165.7730 | 205.5968 | 291.2324 | 343.8137 | 384.3867 | 339.4666 | 153.1614 | 152.5497 | 152.0625 | 0.0 |
| 30 | 165.7730 | 205.5968 | 291.2324 | 343.8137 | 384.3867 | 339.4666 | 153.1614 | 152.5497 | 152.0625 | 0.0 |
| 31 | 165.7730 | 205.5968 | 291.2324 | 343.8137 | 384.3867 | 339.4666 | 153.1614 | 152.5497 | 152.0625 | 0.0 |
| 32 | 165.7730 | 205.5968 | 291.2324 | 343.8137 | 384.3867 | 339.4666 | 153.1614 | 152.5497 | 152.0625 | 0.0 |
| 33 | 165.7730 | 205.5968 | 291.2324 | 343.8137 | 384.3867 | 339.4666 | 153.1614 | 152.5497 | 152.0625 | 0.0 |
| 34 | 165.7730 | 205.5968 | 291.2324 | 343.8137 | 384.3867 | 339.4666 | 153.1614 | 152.5497 | 152.0625 | 0.0 |
| 35 | 165.7730 | 205.5968 | 291.2324 | 343.8137 | 384.3867 | 339.4666 | 153.1614 | 152.5497 | 152.0625 | 0.0 |

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H-261

[illegible]

FILE NUMBER = 81
 TITLE=CF--MONTHLY CLOTHING MAINT ALLOWANCE, FY82, USAF ENLISTED

| YOS | GRD 01 | GRD 02 | GRD 03 | GRD 04 | GRD 05 | GRD 06 | GRD 07 | GRD 08 | GRD 09 | GRD 10 |
|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1 | 6.2500 | 6.2500 | 6.2500 | 6.2500 | 6.2500 | 6.2500 | 6.2500 | 6.2500 | 6.2500 | 6.2500 |
| 2 | 6.2500 | 6.2500 | 6.2500 | 6.2500 | 6.2500 | 6.2500 | 6.2500 | 6.2500 | 6.2500 | 6.2500 |
| 3 | 6.2500 | 6.2500 | 6.2500 | 6.2500 | 6.2500 | 6.2500 | 6.2500 | 6.2500 | 6.2500 | 6.2500 |
| 4 | 9.2130 | 9.2130 | 9.2130 | 9.2130 | 9.2130 | 9.2130 | 9.2130 | 9.2130 | 9.2130 | 9.2130 |
| 5 | 9.2130 | 9.2130 | 9.2130 | 9.2130 | 9.2130 | 9.2130 | 9.2130 | 9.2130 | 9.2130 | 9.2130 |
| 6 | 9.2130 | 9.2130 | 9.2130 | 9.2130 | 9.2130 | 9.2130 | 9.2130 | 9.2130 | 9.2130 | 9.2130 |
| 7 | 9.2130 | 9.2130 | 9.2130 | 9.2130 | 9.2130 | 9.2130 | 9.2130 | 9.2130 | 9.2130 | 9.2130 |
| 8 | 9.2130 | 9.2130 | 9.2130 | 9.2130 | 9.2130 | 9.2130 | 9.2130 | 9.2130 | 9.2130 | 9.2130 |
| 9 | 9.2130 | 9.2130 | 9.2130 | 9.2130 | 9.2130 | 9.2130 | 9.2130 | 9.2130 | 9.2130 | 9.2130 |
| 10 | 9.2130 | 9.2130 | 9.2130 | 9.2130 | 9.2130 | 9.2130 | 9.2130 | 9.2130 | 9.2130 | 9.2130 |
| 11 | 9.2130 | 9.2130 | 9.2130 | 9.2130 | 9.2130 | 9.2130 | 9.2130 | 9.2130 | 9.2130 | 9.2130 |
| 12 | 9.2130 | 9.2130 | 9.2130 | 9.2130 | 9.2130 | 9.2130 | 9.2130 | 9.2130 | 9.2130 | 9.2130 |
| 13 | 9.2130 | 9.2130 | 9.2130 | 9.2130 | 9.2130 | 9.2130 | 9.2130 | 9.2130 | 9.2130 | 9.2130 |
| 14 | 9.2130 | 9.2130 | 9.2130 | 9.2130 | 9.2130 | 9.2130 | 9.2130 | 9.2130 | 9.2130 | 9.2130 |
| 15 | 9.2130 | 9.2130 | 9.2130 | 9.2130 | 9.2130 | 9.2130 | 9.2130 | 9.2130 | 9.2130 | 9.2130 |
| 16 | 9.2130 | 9.2130 | 9.2130 | 9.2130 | 9.2130 | 9.2130 | 9.2130 | 9.2130 | 9.2130 | 9.2130 |
| 17 | 9.2130 | 9.2130 | 9.2130 | 9.2130 | 9.2130 | 9.2130 | 9.2130 | 9.2130 | 9.2130 | 9.2130 |
| 18 | 9.2130 | 9.2130 | 9.2130 | 9.2130 | 9.2130 | 9.2130 | 9.2130 | 9.2130 | 9.2130 | 9.2130 |
| 19 | 9.2130 | 9.2130 | 9.2130 | 9.2130 | 9.2130 | 9.2130 | 9.2130 | 9.2130 | 9.2130 | 9.2130 |
| 20 | 9.2130 | 9.2130 | 9.2130 | 9.2130 | 9.2130 | 9.2130 | 9.2130 | 9.2130 | 9.2130 | 9.2130 |
| 21 | 9.2130 | 9.2130 | 9.2130 | 9.2130 | 9.2130 | 9.2130 | 9.2130 | 9.2130 | 9.2130 | 9.2130 |
| 22 | 9.2130 | 9.2130 | 9.2130 | 9.2130 | 9.2130 | 9.2130 | 9.2130 | 9.2130 | 9.2130 | 9.2130 |
| 23 | 9.2130 | 9.2130 | 9.2130 | 9.2130 | 9.2130 | 9.2130 | 9.2130 | 9.2130 | 9.2130 | 9.2130 |
| 24 | 9.2130 | 9.2130 | 9.2130 | 9.2130 | 9.2130 | 9.2130 | 9.2130 | 9.2130 | 9.2130 | 9.2130 |
| 25 | 9.2130 | 9.2130 | 9.2130 | 9.2130 | 9.2130 | 9.2130 | 9.2130 | 9.2130 | 9.2130 | 9.2130 |
| 26 | 9.2130 | 9.2130 | 9.2130 | 9.2130 | 9.2130 | 9.2130 | 9.2130 | 9.2130 | 9.2130 | 9.2130 |
| 27 | 9.2130 | 9.2130 | 9.2130 | 9.2130 | 9.2130 | 9.2130 | 9.2130 | 9.2130 | 9.2130 | 9.2130 |
| 28 | 9.2130 | 9.2130 | 9.2130 | 9.2130 | 9.2130 | 9.2130 | 9.2130 | 9.2130 | 9.2130 | 9.2130 |
| 29 | 9.2130 | 9.2130 | 9.2130 | 9.2130 | 9.2130 | 9.2130 | 9.2130 | 9.2130 | 9.2130 | 9.2130 |
| 30 | 9.2130 | 9.2130 | 9.2130 | 9.2130 | 9.2130 | 9.2130 | 9.2130 | 9.2130 | 9.2130 | 9.2130 |
| 31 | 9.2130 | 9.2130 | 9.2130 | 9.2130 | 9.2130 | 9.2130 | 9.2130 | 9.2130 | 9.2130 | 9.2130 |
| 32 | 9.2130 | 9.2130 | 9.2130 | 9.2130 | 9.2130 | 9.2130 | 9.2130 | 9.2130 | 9.2130 | 9.2130 |
| 33 | 9.2130 | 9.2130 | 9.2130 | 9.2130 | 9.2130 | 9.2130 | 9.2130 | 9.2130 | 9.2130 | 9.2130 |
| 34 | 9.2130 | 9.2130 | 9.2130 | 9.2130 | 9.2130 | 9.2130 | 9.2130 | 9.2130 | 9.2130 | 9.2130 |
| 35 | 9.2130 | 9.2130 | 9.2130 | 9.2130 | 9.2130 | 9.2130 | 9.2130 | 9.2130 | 9.2130 | 9.2130 |

TITLE=CF--SEPARATION PCS, USAF OFFICER, FY82

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H-265

FILE NUMBER = 10G
 TITLE=CF--TOTAL BAQ, NAVY OFFICERS, FY82 (INCL W/DEP, W/O DEP, PARTIAL)

| YOS | GRD 01 | GRD 02 | GRD 03 | GRD 04 | GRD 05 | GRD 06 | GRD 07 | GRD 08 | GRD 09 | GRD 10 |
|-----|----------|----------|----------|----------|----------|----------|----------|----------|----------|--------|
| 1 | 173.6004 | 232.1697 | 291.1067 | 356.6953 | 411.4573 | 407.4138 | 302.4214 | 295.4509 | 387.2061 | 0.0 |
| 2 | 173.6004 | 232.1697 | 291.1067 | 356.6953 | 411.4573 | 407.4138 | 302.4214 | 295.4509 | 387.2061 | 0.0 |
| 3 | 173.6004 | 232.1697 | 291.1067 | 356.6953 | 411.4573 | 407.4138 | 302.4214 | 295.4509 | 387.2061 | 0.0 |
| 4 | 173.6004 | 232.1697 | 291.1067 | 356.6953 | 411.4573 | 407.4138 | 302.4214 | 295.4509 | 387.2061 | 0.0 |
| 5 | 173.6004 | 232.1697 | 291.1067 | 356.6953 | 411.4573 | 407.4138 | 302.4214 | 295.4509 | 387.2061 | 0.0 |
| 6 | 173.6004 | 232.1697 | 291.1067 | 356.6953 | 411.4573 | 407.4138 | 302.4214 | 295.4509 | 387.2061 | 0.0 |
| 7 | 173.6004 | 232.1697 | 291.1067 | 356.6953 | 411.4573 | 407.4138 | 302.4214 | 295.4509 | 387.2061 | 9.0 |
| 8 | 173.6004 | 232.1697 | 291.1067 | 356.6953 | 411.4573 | 407.4138 | 302.4214 | 295.4509 | 387.2061 | 0.0 |
| 9 | 173.6004 | 232.1697 | 291.1067 | 356.6953 | 411.4573 | 407.4138 | 302.4214 | 295.4509 | 387.2061 | 0.0 |
| 10 | 173.6004 | 232.1697 | 291.1067 | 356.6953 | 411.4573 | 407.4138 | 302.4214 | 295.4509 | 387.2061 | 0.0 |
| 11 | 173.6004 | 232.1697 | 291.1067 | 356.6953 | 411.4573 | 407.4138 | 302.4214 | 295.4509 | 387.2061 | 0.0 |
| 12 | 173.6004 | 232.1697 | 291.1067 | 356.6953 | 411.4573 | 407.4138 | 302.4214 | 295.4509 | 387.2061 | 0.0 |
| 13 | 173.6004 | 232.1697 | 291.1067 | 356.6953 | 411.4573 | 407.4138 | 302.4214 | 295.4509 | 387.2061 | 0.0 |
| 14 | 173.6004 | 232.1697 | 291.1067 | 356.6953 | 411.4573 | 407.4138 | 302.4214 | 295.4509 | 387.2061 | 0.0 |
| 15 | 173.6004 | 232.1697 | 291.1067 | 356.6953 | 411.4573 | 407.4138 | 302.4214 | 295.4509 | 387.2061 | 0.0 |
| 16 | 173.6004 | 232.1697 | 291.1067 | 356.6953 | 411.4573 | 407.4138 | 302.4214 | 295.4509 | 387.2061 | 0.0 |
| 17 | 173.6004 | 232.1697 | 291.1067 | 356.6953 | 411.4573 | 407.4138 | 302.4214 | 295.4509 | 387.2061 | 0.0 |
| 18 | 173.6004 | 232.1697 | 291.1067 | 356.6953 | 411.4573 | 407.4138 | 302.4214 | 295.4509 | 387.2061 | 0.0 |
| 19 | 173.6004 | 232.1697 | 291.1067 | 356.6953 | 411.4573 | 407.4138 | 302.4214 | 295.4509 | 387.2061 | 0.0 |
| 20 | 173.6004 | 232.1697 | 291.1067 | 356.6953 | 411.4573 | 407.4138 | 302.4214 | 295.4509 | 387.2061 | 0.0 |
| 21 | 173.6004 | 232.1697 | 291.1067 | 356.6953 | 411.4573 | 407.4138 | 302.4214 | 295.4509 | 387.2061 | 0.0 |
| 22 | 173.6004 | 232.1697 | 291.1067 | 356.6953 | 411.4573 | 407.4138 | 302.4214 | 295.4509 | 387.2061 | 0.0 |
| 23 | 173.6004 | 232.1697 | 291.1067 | 356.6953 | 411.4573 | 407.4138 | 302.4214 | 295.4509 | 387.2061 | 0.0 |
| 24 | 173.6004 | 232.1697 | 291.1067 | 356.6953 | 411.4573 | 407.4138 | 302.4214 | 295.4509 | 387.2061 | 0.0 |
| 25 | 173.6004 | 232.1697 | 291.1067 | 356.6953 | 411.4573 | 407.4138 | 302.4214 | 295.4509 | 387.2061 | 0.0 |
| 26 | 173.6004 | 232.1697 | 291.1067 | 356.6953 | 411.4573 | 407.4138 | 302.4214 | 295.4509 | 387.2061 | 0.0 |
| 27 | 173.6004 | 232.1697 | 291.1067 | 356.6953 | 411.4573 | 407.4138 | 302.4214 | 295.4509 | 387.2061 | 0.0 |
| 28 | 173.6004 | 232.1697 | 291.1067 | 356.6953 | 411.4573 | 407.4138 | 302.4214 | 295.4509 | 387.2061 | 0.0 |
| 29 | 173.6004 | 232.1697 | 291.1067 | 356.6953 | 411.4573 | 407.4138 | 302.4214 | 295.4509 | 387.2061 | 0.0 |
| 30 | 173.6004 | 232.1697 | 291.1067 | 356.6953 | 411.4573 | 407.4138 | 302.4214 | 295.4509 | 387.2061 | 0.0 |
| 31 | 173.6004 | 232.1697 | 291.1067 | 356.6953 | 411.4573 | 407.4138 | 302.4214 | 295.4509 | 387.2061 | 0.0 |
| 32 | 173.6004 | 232.1697 | 291.1067 | 356.6953 | 411.4573 | 407.4138 | 302.4214 | 295.4509 | 387.2061 | 0.0 |
| 33 | 173.6004 | 232.1697 | 291.1067 | 356.6953 | 411.4573 | 407.4138 | 302.4214 | 295.4509 | 387.2061 | 0.0 |
| 34 | 173.6004 | 232.1697 | 291.1067 | 356.6953 | 411.4573 | 407.4138 | 302.4214 | 295.4509 | 387.2061 | 0.0 |
| 35 | 173.6004 | 232.1697 | 291.1067 | 356.6953 | 411.4573 | 407.4138 | 302.4214 | 295.4509 | 387.2061 | 0.0 |

[illegible]

H-268

[illegible]

H-269

H-270

[illegible]

H-271

[illegible]

TITILE=CF--TERMINAL LEAVE,NAVY OFFICER,FY82

H-272

H-273

[illegible]

FILE NUMBER = 127
 TITLE=CF--TOTAL BAQ, USMC OFFICERS, FY82 (INCL W/DEP, W/O DEP, PRTL)

| YOS | GRD 01 | GRD 02 | GRD 03 | GRD 04 | GRD 05 | GRD 06 | GRD 07 | GRD 08 | GRD 09 | GRD 10 |
|-----|---------|----------|----------|----------|----------|----------|----------|----------|----------|--------|
| 1 | 94.2372 | 238.6530 | 272.6887 | 307.1550 | 362.0493 | 318.7183 | 352.3391 | 319.3074 | 349.2805 | 0.0 |
| 2 | 94.2372 | 238.6530 | 272.6887 | 307.1550 | 362.0493 | 318.7183 | 352.3391 | 319.3074 | 349.2805 | 0.0 |
| 3 | 94.2372 | 238.6530 | 272.6887 | 307.1550 | 362.0493 | 318.7183 | 352.3391 | 319.3074 | 349.2805 | 0.0 |
| 4 | 94.2372 | 238.6530 | 272.6887 | 307.1550 | 362.0493 | 318.7183 | 352.3391 | 319.3074 | 349.2805 | 0.0 |
| 5 | 94.2372 | 238.6530 | 272.6887 | 307.1550 | 362.0493 | 318.7183 | 352.3391 | 319.3074 | 349.2805 | 0.0 |
| 6 | 94.2372 | 238.6530 | 272.6887 | 307.1550 | 362.0493 | 318.7183 | 352.3391 | 319.3074 | 349.2805 | 0.0 |
| 7 | 94.2372 | 238.6530 | 272.6887 | 307.1550 | 362.0493 | 318.7183 | 352.3391 | 319.3074 | 349.2805 | 0.0 |
| 8 | 94.2372 | 238.6530 | 272.6887 | 307.1550 | 362.0493 | 318.7183 | 352.3391 | 319.3074 | 349.2805 | 0.0 |
| 9 | 94.2372 | 238.6530 | 272.6887 | 307.1550 | 362.0493 | 318.7183 | 352.3391 | 319.3074 | 349.2805 | 0.0 |
| 10 | 94.2372 | 238.6530 | 272.6887 | 307.1550 | 362.0493 | 318.7183 | 352.3391 | 319.3074 | 349.2805 | 0.0 |
| 11 | 94.2372 | 238.6530 | 272.6887 | 307.1550 | 362.0493 | 318.7183 | 352.3391 | 319.3074 | 349.2805 | 0.0 |
| 12 | 94.2372 | 238.6530 | 272.6887 | 307.1550 | 362.0493 | 318.7183 | 352.3391 | 319.3074 | 349.2805 | 0.0 |
| 13 | 94.2372 | 238.6530 | 272.6887 | 307.1550 | 362.0493 | 318.7183 | 352.3391 | 319.3074 | 349.2805 | 0.0 |
| 14 | 94.2372 | 238.6530 | 272.6887 | 307.1550 | 362.0493 | 318.7183 | 352.3391 | 319.3074 | 349.2805 | 0.0 |
| 15 | 94.2372 | 238.6530 | 272.6887 | 307.1550 | 362.0493 | 318.7183 | 352.3391 | 319.3074 | 349.2805 | 0.0 |
| 16 | 94.2372 | 238.6530 | 272.6887 | 307.1550 | 362.0493 | 318.7183 | 352.3391 | 319.3074 | 349.2805 | 0.0 |
| 17 | 94.2372 | 238.6530 | 272.6887 | 307.1550 | 362.0493 | 318.7183 | 352.3391 | 319.3074 | 349.2805 | 0.0 |
| 18 | 94.2372 | 238.6530 | 272.6887 | 307.1550 | 362.0493 | 318.7183 | 352.3391 | 319.3074 | 349.2805 | 0.0 |
| 19 | 94.2372 | 238.6530 | 272.6887 | 307.1550 | 362.0493 | 318.7183 | 352.3391 | 319.3074 | 349.2805 | 0.0 |
| 20 | 94.2372 | 238.6530 | 272.6887 | 307.1550 | 362.0493 | 318.7183 | 352.3391 | 319.3074 | 349.2805 | 0.0 |
| 21 | 94.2372 | 238.6530 | 272.6887 | 307.1550 | 362.0493 | 318.7183 | 352.3391 | 319.3074 | 349.2805 | 0.0 |
| 22 | 94.2372 | 238.6530 | 272.6887 | 307.1550 | 362.0493 | 318.7183 | 352.3391 | 319.3074 | 349.2805 | 0.0 |
| 23 | 94.2372 | 238.6530 | 272.6887 | 307.1550 | 362.0493 | 318.7183 | 352.3391 | 319.3074 | 349.2805 | 0.0 |
| 24 | 94.2372 | 238.6530 | 272.6887 | 307.1550 | 362.0493 | 318.7183 | 352.3391 | 319.3074 | 349.2805 | 0.0 |
| 25 | 94.2372 | 238.6530 | 272.6887 | 307.1550 | 362.0493 | 318.7183 | 352.3391 | 319.3074 | 349.2805 | 0.0 |
| 26 | 94.2372 | 238.6530 | 272.6887 | 307.1550 | 362.0493 | 318.7183 | 352.3391 | 319.3074 | 349.2805 | 0.0 |
| 27 | 94.2372 | 238.6530 | 272.6887 | 307.1550 | 362.0493 | 318.7183 | 352.3391 | 319.3074 | 349.2805 | 0.0 |
| 28 | 94.2372 | 238.6530 | 272.6887 | 307.1550 | 362.0493 | 318.7183 | 352.3391 | 319.3074 | 349.2805 | 0.0 |
| 29 | 94.2372 | 238.6530 | 272.6887 | 307.1550 | 362.0493 | 318.7183 | 352.3391 | 319.3074 | 349.2805 | 0.0 |
| 30 | 94.2372 | 238.6530 | 272.6887 | 307.1550 | 362.0493 | 318.7183 | 352.3391 | 319.3074 | 349.2805 | 0.0 |
| 31 | 94.2372 | 238.6530 | 272.6887 | 307.1550 | 362.0493 | 318.7183 | 352.3391 | 319.3074 | 349.2805 | 0.0 |
| 32 | 94.2372 | 238.6530 | 272.6887 | 307.1550 | 362.0493 | 318.7183 | 352.3391 | 319.3074 | 349.2805 | 0.0 |
| 33 | 94.2372 | 238.6530 | 272.6887 | 307.1550 | 362.0493 | 318.7183 | 352.3391 | 319.3074 | 349.2805 | 0.0 |
| 34 | 94.2372 | 238.6530 | 272.6887 | 307.1550 | 362.0493 | 318.7183 | 352.3391 | 319.3074 | 349.2805 | 0.0 |
| 35 | 94.2372 | 238.6530 | 272.6887 | 307.1550 | 362.0493 | 318.7183 | 352.3391 | 319.3074 | 349.2805 | 0.0 |

H-275

[illegible]

H-276

[illegible]

TITLE=CF--SEPARATION PCS,USMC OFFICER AND WARRANT,FY82

H-277

100

2

FILE NUMBER = 139

TYLE=CF--TERMINAL

30A 083

H-279

FILE NUMBER = 199

TITLE=CF--BASIC PAY, EML, OCT 81, E-8/9 GRADES FILLED IN, WEIGHTED RATES IN E3

| YOS | GRD 01 | GRD 02 | GRD 03 | GRD 04 | GRD 05 | GRD 06 | GRD 07 | GRD 08 | GRD 09 | GRD 10 |
|-----|----------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|--------|
| 1 | 551.3999 | 618.3000 | 593.0547 | 682.2000 | 731.3999 | 833.1001 | 968.7000 | 1387.5000 | 1653.8999 | 0.0 |
| 2 | 551.3999 | 618.3000 | 634.3950 | 682.2000 | 731.3999 | 833.1001 | 968.7000 | 1387.5000 | 1653.8999 | 0.0 |
| 3 | 551.3999 | 618.3000 | 665.4448 | 720.3000 | 796.2000 | 908.3999 | 1045.5000 | 1387.5000 | 1653.8999 | 0.0 |
| 4 | 551.3999 | 618.3000 | 674.9624 | 762.3000 | 834.6001 | 946.5000 | 1084.5000 | 1387.5000 | 1653.8999 | 0.0 |
| 5 | 551.3999 | 618.3000 | 695.8872 | 821.7000 | 870.8999 | 986.3999 | 1122.0000 | 1387.5000 | 1653.8999 | 0.0 |
| 6 | 551.3999 | 618.3000 | 695.8872 | 821.7000 | 870.8999 | 986.3999 | 1122.0000 | 1387.5000 | 1653.8999 | 0.0 |
| 7 | 551.3999 | 618.3000 | 695.8872 | 854.3999 | 927.8999 | 1023.0000 | 1160.7000 | 1387.5000 | 1653.8999 | 0.0 |
| 8 | 551.3999 | 618.3000 | 695.8872 | 854.3999 | 927.8999 | 1023.0000 | 1160.7000 | 1387.5000 | 1653.8999 | 0.0 |
| 9 | 551.3999 | 618.3000 | 695.8872 | 854.3999 | 965.7000 | 1060.5000 | 1197.3000 | 1387.5000 | 1653.8999 | 0.0 |
| 10 | 551.3999 | 618.3000 | 695.8872 | 854.3999 | 965.7000 | 1060.5000 | 1197.3000 | 1387.5000 | 1653.8999 | 0.0 |
| 11 | 551.3999 | 618.3000 | 695.8872 | 854.3999 | 1004.3999 | 1099.2000 | 1236.0000 | 1426.6001 | 1653.8999 | 0.0 |
| 12 | 551.3999 | 618.3000 | 695.8872 | 854.3999 | 1004.3999 | 1099.2000 | 1236.0000 | 1426.6001 | 1653.8999 | 0.0 |
| 13 | 551.3999 | 618.3000 | 695.8872 | 854.3999 | 1041.3000 | 1155.8999 | 1274.1001 | 1464.3000 | 1691.3999 | 0.0 |
| 14 | 551.3999 | 618.3000 | 695.8872 | 854.3999 | 1041.3000 | 1155.8999 | 1274.1001 | 1464.3000 | 1691.3999 | 0.0 |
| 15 | 551.3999 | 618.3000 | 695.8872 | 854.3999 | 1060.5000 | 1192.2000 | 1331.7000 | 1502.7000 | 1729.8000 | 0.0 |
| 16 | 551.3999 | 618.3000 | 695.8872 | 854.3999 | 1060.5000 | 1192.2000 | 1331.7000 | 1502.7000 | 1729.8000 | 0.0 |
| 17 | 551.3999 | 618.3000 | 695.8872 | 854.3999 | 1060.5000 | 1230.6001 | 1369.5000 | 1542.0000 | 1769.7000 | 0.0 |
| 18 | 551.3999 | 618.3000 | 695.8872 | 854.3999 | 1060.5000 | 1230.6001 | 1369.5000 | 1542.0000 | 1769.7000 | 0.0 |
| 19 | 551.3999 | 618.3000 | 695.8872 | 854.3999 | 1060.5000 | 1249.2000 | 1408.2000 | 1577.7000 | 1809.0000 | 0.0 |
| 20 | 551.3999 | 618.3000 | 695.8872 | 854.3999 | 1060.5000 | 1249.2000 | 1408.2000 | 1577.7000 | 1809.0000 | 0.0 |
| 21 | 551.3999 | 618.3000 | 695.8872 | 854.3999 | 1060.5000 | 1249.2000 | 1426.5000 | 1616.3999 | 1844.1001 | 0.0 |
| 22 | 551.3999 | 618.3000 | 695.8872 | 854.3999 | 1060.5000 | 1249.2000 | 1426.5000 | 1616.3999 | 1844.1001 | 0.0 |
| 23 | 551.3999 | 618.3000 | 695.8872 | 854.3999 | 1060.5000 | 1249.2000 | 1522.2000 | 1711.5000 | 1941.3000 | 0.0 |
| 24 | 551.3999 | 618.3000 | 695.8872 | 854.3999 | 1060.5000 | 1249.2000 | 1522.2000 | 1711.5000 | 1941.3000 | 0.0 |
| 25 | 551.3999 | 618.3000 | 695.8872 | 854.3999 | 1060.5000 | 1249.2000 | 1522.2000 | 1711.5000 | 1941.3000 | 0.0 |
| 26 | 551.3999 | 618.3000 | 695.8872 | 854.3999 | 1060.5000 | 1249.2000 | 1522.2000 | 1711.5000 | 1941.3000 | 0.0 |
| 27 | 551.3999 | 618.3000 | 695.8872 | 854.3999 | 1060.5000 | 1249.2000 | 1711.5000 | 1902.3000 | 2130.0000 | 0.0 |
| 28 | 551.3999 | 618.3000 | 695.8872 | 854.3999 | 1060.5000 | 1249.2000 | 1711.5000 | 1902.3000 | 2130.0000 | 0.0 |
| 29 | 551.3999 | 618.3000 | 695.8872 | 854.3999 | 1060.5000 | 1249.2000 | 1711.5000 | 1902.3000 | 2130.0000 | 0.0 |
| 30 | 551.3999 | 618.3000 | 695.8872 | 854.3999 | 1060.5000 | 1249.2000 | 1711.5000 | 1902.3000 | 2130.0000 | 0.0 |
| 31 | 551.3999 | 618.3000 | 695.8872 | 854.3999 | 1060.5000 | 1249.2000 | 1711.5000 | 1902.3000 | 2130.0000 | 0.0 |
| 32 | 551.3999 | 618.3000 | 695.8872 | 854.3999 | 1060.5000 | 1249.2000 | 1711.5000 | 1902.3000 | 2130.0000 | 0.0 |
| 33 | 551.3999 | 618.3000 | 695.8872 | 854.3999 | 1060.5000 | 1249.2000 | 1711.5000 | 1902.3000 | 2130.0000 | 0.0 |
| 34 | 551.3999 | 618.3000 | 695.8872 | 854.3999 | 1060.5000 | 1249.2000 | 1711.5000 | 1902.3000 | 2130.0000 | 0.0 |
| 35 | 551.3999 | 618.3000 | 695.8872 | 854.3999 | 1060.5000 | 1249.2000 | 1711.5000 | 1902.3000 | 2130.0000 | 0.0 |

FILE NUMBER = 201
TITLE=CF--TOTAL BAQ,ARMY ENL, FY82,E1-E3 WEIGHTED IN E3 COLUMN

| YOS | GRD 01 | GRD 02 | GRD 03 | GRD 04 | GRD 05 | GRD 06 | GRD 07 | GRD 08 | GRD 09 | GRD 10 |
|-----|---------|---------|---------|---------|----------|----------|----------|----------|----------|--------|
| 1 | 33.3738 | 43.6155 | 42.1206 | 88.9487 | 129.7153 | 154.5868 | 178.5525 | 204.8017 | 227.1437 | 0.0 |
| 2 | 33.3738 | 43.6155 | 55.5591 | 88.9487 | 129.7153 | 154.5868 | 178.5525 | 204.8017 | 227.1437 | 0.0 |
| 3 | 33.3738 | 43.6155 | 56.3736 | 88.9487 | 129.7153 | 154.5868 | 178.5525 | 204.8017 | 227.1437 | 0.0 |
| 4 | 33.3738 | 43.6155 | 54.0125 | 88.9487 | 129.7153 | 154.5868 | 178.5525 | 204.8017 | 227.1437 | 0.0 |
| 5 | 33.3738 | 43.6155 | 54.0125 | 88.9487 | 129.7153 | 154.5868 | 178.5525 | 204.8017 | 227.1437 | 0.0 |
| 6 | 33.3738 | 43.6155 | 54.0125 | 88.9487 | 129.7153 | 154.5868 | 178.5525 | 204.8017 | 227.1437 | 0.0 |
| 7 | 33.3738 | 43.6155 | 54.0125 | 88.9487 | 129.7153 | 154.5868 | 178.5525 | 204.8017 | 227.1437 | 0.0 |
| 8 | 33.3738 | 43.6155 | 54.0125 | 88.9487 | 129.7153 | 154.5868 | 178.5525 | 204.8017 | 227.1437 | 0.0 |
| 9 | 33.3738 | 43.6155 | 54.0125 | 88.9487 | 129.7153 | 154.5868 | 178.5525 | 204.8017 | 227.1437 | 0.0 |
| 10 | 33.3738 | 43.6155 | 54.0125 | 88.9487 | 129.7153 | 154.5868 | 178.5525 | 204.8017 | 227.1437 | 0.0 |
| 11 | 33.3738 | 43.6155 | 54.0125 | 88.9487 | 129.7153 | 154.5868 | 178.5525 | 204.8017 | 227.1437 | 0.0 |
| 12 | 33.3738 | 43.6155 | 54.0125 | 88.9487 | 129.7153 | 154.5868 | 178.5525 | 204.8017 | 227.1437 | 0.0 |
| 13 | 33.3738 | 43.6155 | 54.0125 | 88.9487 | 129.7153 | 154.5868 | 178.5525 | 204.8017 | 227.1437 | 0.0 |
| 14 | 33.3738 | 43.6155 | 54.0125 | 88.9487 | 129.7153 | 154.5868 | 178.5525 | 204.8017 | 227.1437 | 0.0 |
| 15 | 33.3738 | 43.6155 | 54.0125 | 88.9487 | 129.7153 | 154.5868 | 178.5525 | 204.8017 | 227.1437 | 0.0 |
| 16 | 33.3738 | 43.6155 | 54.0125 | 88.9487 | 129.7153 | 154.5868 | 178.5525 | 204.8017 | 227.1437 | 0.0 |
| 17 | 33.3738 | 43.6155 | 54.0125 | 88.9487 | 129.7153 | 154.5868 | 178.5525 | 204.8017 | 227.1437 | 0.0 |
| 18 | 33.3738 | 43.6155 | 54.0125 | 88.9487 | 129.7153 | 154.5868 | 178.5525 | 204.8017 | 227.1437 | 0.0 |
| 19 | 33.3738 | 43.6155 | 54.0125 | 88.9487 | 129.7153 | 154.5868 | 178.5525 | 204.8017 | 227.1437 | 0.0 |
| 20 | 33.3738 | 43.6155 | 54.0125 | 88.9487 | 129.7153 | 154.5868 | 178.5525 | 204.8017 | 227.1437 | 0.0 |
| 21 | 33.3738 | 43.6155 | 54.0125 | 88.9487 | 129.7153 | 154.5868 | 178.5525 | 204.8017 | 227.1437 | 0.0 |
| 22 | 33.3738 | 43.6155 | 54.0125 | 88.9487 | 129.7153 | 154.5868 | 178.5525 | 204.8017 | 227.1437 | 0.0 |
| 23 | 33.3738 | 43.6155 | 54.0125 | 88.9487 | 129.7153 | 154.5868 | 178.5525 | 204.8017 | 227.1437 | 0.0 |
| 24 | 33.3738 | 43.6155 | 54.0125 | 88.9487 | 129.7153 | 154.5868 | 178.5525 | 204.8017 | 227.1437 | 0.0 |
| 25 | 33.3738 | 43.6155 | 54.0125 | 88.9487 | 129.7153 | 154.5868 | 178.5525 | 204.8017 | 227.1437 | 0.0 |
| 26 | 33.3738 | 43.6155 | 54.0125 | 88.9487 | 129.7153 | 154.5868 | 178.5525 | 204.8017 | 227.1437 | 0.0 |
| 27 | 33.3738 | 43.6155 | 54.0125 | 88.9487 | 129.7153 | 154.5868 | 178.5525 | 204.8017 | 227.1437 | 0.0 |
| 28 | 33.3738 | 43.6155 | 54.0125 | 88.9487 | 129.7153 | 154.5868 | 178.5525 | 204.8017 | 227.1437 | 0.0 |
| 29 | 33.3738 | 43.6155 | 54.0125 | 88.9487 | 129.7153 | 154.5868 | 178.5525 | 204.8017 | 227.1437 | 0.0 |
| 30 | 33.3738 | 43.6155 | 54.0125 | 88.9487 | 129.7153 | 154.5868 | 178.5525 | 204.8017 | 227.1437 | 0.0 |
| 31 | 33.3738 | 43.6155 | 54.0125 | 88.9487 | 129.7153 | 154.5868 | 178.5525 | 204.8017 | 227.1437 | 0.0 |
| 32 | 33.3738 | 43.6155 | 54.0125 | 88.9487 | 129.7153 | 154.5868 | 178.5525 | 204.8017 | 227.1437 | 0.0 |
| 33 | 33.3738 | 43.6155 | 54.0125 | 88.9487 | 129.7153 | 154.5868 | 178.5525 | 204.8017 | 227.1437 | 0.0 |
| 34 | 33.3738 | 43.6155 | 54.0125 | 88.9487 | 129.7153 | 154.5868 | 178.5525 | 204.8017 | 227.1437 | 0.0 |
| 35 | 33.3738 | 43.6155 | 54.0125 | 88.9487 | 129.7153 | 154.5868 | 178.5525 | 204.8017 | 227.1437 | 0.0 |

FILE NUMBER = 202
 TITLE=CF--TOTAL BAG,NAVY ENL, FY82,E1-E3 WEIGHTED INTO E3 COLUMN

| YOS | GRD 01 | GRD 02 | GRD 03 | GRD 04 | GRD 05 | GRD 06 | GRD 07 | GRD 08 | GRD 09 | GRD 10 |
|-----|---------|---------|---------|---------|----------|----------|----------|----------|----------|--------|
| 1 | 24.2772 | 37.3506 | 36.0153 | 94.4742 | 141.9612 | 182.8869 | 213.5289 | 247.3338 | 295.0344 | 0.0 |
| 2 | 24.2772 | 37.3506 | 54.8877 | 94.4742 | 141.9612 | 182.8869 | 213.5289 | 247.3338 | 295.0344 | 0.0 |
| 3 | 24.2772 | 37.3506 | 56.0246 | 94.4742 | 141.9612 | 182.8869 | 213.5289 | 247.3338 | 295.0344 | 0.0 |
| 4 | 24.2772 | 37.3506 | 52.7703 | 94.4742 | 141.9612 | 182.8869 | 213.5289 | 247.3338 | 295.0344 | 0.0 |
| 5 | 24.2772 | 37.3506 | 52.7703 | 94.4742 | 141.9612 | 182.8869 | 213.5289 | 247.3338 | 295.0344 | 0.0 |
| 6 | 24.2772 | 37.3506 | 52.7703 | 94.4742 | 141.9612 | 182.8869 | 213.5289 | 247.3338 | 295.0344 | 0.0 |
| 7 | 24.2772 | 37.3506 | 52.7703 | 94.4742 | 141.9612 | 182.8869 | 213.5289 | 247.3338 | 295.0344 | 0.0 |
| 8 | 24.2772 | 37.3506 | 52.7703 | 94.4742 | 141.9612 | 182.8869 | 213.5289 | 247.3338 | 295.0344 | 0.0 |
| 9 | 24.2772 | 37.3506 | 52.7703 | 94.4742 | 141.9612 | 182.8869 | 213.5289 | 247.3338 | 295.0344 | 0.0 |
| 10 | 24.2772 | 37.3506 | 52.7703 | 94.4742 | 141.9612 | 182.8869 | 213.5289 | 247.3338 | 295.0344 | 0.0 |
| 11 | 24.2772 | 37.3506 | 52.7703 | 94.4742 | 141.9612 | 182.8869 | 213.5289 | 247.3338 | 295.0344 | 0.0 |
| 12 | 24.2772 | 37.3506 | 52.7703 | 94.4742 | 141.9612 | 182.8869 | 213.5289 | 247.3338 | 295.0344 | 0.0 |
| 13 | 24.2772 | 37.3506 | 52.7703 | 94.4742 | 141.9612 | 182.8869 | 213.5289 | 247.3338 | 295.0344 | 0.0 |
| 14 | 24.2772 | 37.3506 | 52.7703 | 94.4742 | 141.9612 | 182.8869 | 213.5289 | 247.3338 | 295.0344 | 0.0 |
| 15 | 24.2772 | 37.3506 | 52.7703 | 94.4742 | 141.9612 | 182.8869 | 213.5289 | 247.3338 | 295.0344 | 0.0 |
| 16 | 24.2772 | 37.3506 | 52.7703 | 94.4742 | 141.9612 | 182.8869 | 213.5289 | 247.3338 | 295.0344 | 0.0 |
| 17 | 24.2772 | 37.3506 | 52.7703 | 94.4742 | 141.9612 | 182.8869 | 213.5289 | 247.3338 | 295.0344 | 0.0 |
| 18 | 24.2772 | 37.3506 | 52.7703 | 94.4742 | 141.9612 | 182.8869 | 213.5289 | 247.3338 | 295.0344 | 0.0 |
| 19 | 24.2772 | 37.3506 | 52.7703 | 94.4742 | 141.9612 | 182.8869 | 213.5289 | 247.3338 | 295.0344 | 0.0 |
| 20 | 24.2772 | 37.3506 | 52.7703 | 94.4742 | 141.9612 | 182.8869 | 213.5289 | 247.3338 | 295.0344 | 0.0 |
| 21 | 24.2772 | 37.3506 | 52.7703 | 94.4742 | 141.9612 | 182.8869 | 213.5289 | 247.3338 | 295.0344 | 0.0 |
| 22 | 24.2772 | 37.3506 | 52.7703 | 94.4742 | 141.9612 | 182.8869 | 213.5289 | 247.3338 | 295.0344 | 0.0 |
| 23 | 24.2772 | 37.3506 | 52.7703 | 94.4742 | 141.9612 | 182.8869 | 213.5289 | 247.3338 | 295.0344 | 0.0 |
| 24 | 24.2772 | 37.3506 | 52.7703 | 94.4742 | 141.9612 | 182.8869 | 213.5289 | 247.3338 | 295.0344 | 0.0 |
| 25 | 24.2772 | 37.3506 | 52.7703 | 94.4742 | 141.9612 | 182.8869 | 213.5289 | 247.3338 | 295.0344 | 0.0 |
| 26 | 24.2772 | 37.3506 | 52.7703 | 94.4742 | 141.9612 | 182.8869 | 213.5289 | 247.3338 | 295.0344 | 0.0 |
| 27 | 24.2772 | 37.3506 | 52.7703 | 94.4742 | 141.9612 | 182.8869 | 213.5289 | 247.3338 | 295.0344 | 0.0 |
| 28 | 24.2772 | 37.3506 | 52.7703 | 94.4742 | 141.9612 | 182.8869 | 213.5289 | 247.3338 | 295.0344 | 0.0 |
| 29 | 24.2772 | 37.3506 | 52.7703 | 94.4742 | 141.9612 | 182.8869 | 213.5289 | 247.3338 | 295.0344 | 0.0 |
| 30 | 24.2772 | 37.3506 | 52.7703 | 94.4742 | 141.9612 | 182.8869 | 213.5289 | 247.3338 | 295.0344 | 0.0 |
| 31 | 24.2772 | 37.3506 | 52.7703 | 94.4742 | 141.9612 | 182.8869 | 213.5289 | 247.3338 | 295.0344 | 0.0 |
| 32 | 24.2772 | 37.3506 | 52.7703 | 94.4742 | 141.9612 | 182.8869 | 213.5289 | 247.3338 | 295.0344 | 0.0 |
| 33 | 24.2772 | 37.3506 | 52.7703 | 94.4742 | 141.9612 | 182.8869 | 213.5289 | 247.3338 | 295.0344 | 0.0 |
| 34 | 24.2772 | 37.3506 | 52.7703 | 94.4742 | 141.9612 | 182.8869 | 213.5289 | 247.3338 | 295.0344 | 0.0 |
| 35 | 24.2772 | 37.3506 | 52.7703 | 94.4742 | 141.9612 | 182.8869 | 213.5289 | 247.3338 | 295.0344 | 0.0 |

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FILE NUMBER = 203
 TITLE=CF--TOTAL BAO, USMC ENL, FY82, E1-E3 WEIGHTED INTO E3 COLUMN

| YOS | GRD 01 | GRD 02 | GRD 03 | GRD 04 | GRD 05 | GRD 06 | GRD 07 | GRD 08 | GRD 09 | GRD 10 |
|-----|---------|---------|---------|---------|----------|----------|----------|----------|----------|--------|
| 1 | 19.1145 | 29.6208 | 27.1759 | 80.0445 | 135.9582 | 171.1794 | 200.3157 | 235.9386 | 273.2959 | 0.0 |
| 2 | 19.1145 | 29.6208 | 38.2275 | 80.0445 | 135.9582 | 171.1794 | 200.3157 | 235.9386 | 273.2959 | 0.0 |
| 3 | 19.1145 | 29.6208 | 38.7982 | 80.0445 | 135.9582 | 171.1794 | 200.3157 | 235.9386 | 273.2959 | 0.0 |
| 4 | 19.1145 | 29.6208 | 36.8687 | 80.0445 | 135.9582 | 171.1794 | 200.3157 | 235.9386 | 273.2959 | 0.0 |
| 5 | 19.1145 | 29.6208 | 36.8687 | 80.0445 | 135.9582 | 171.1794 | 200.3157 | 235.9386 | 273.2959 | 0.0 |
| 6 | 19.1145 | 29.6208 | 36.8687 | 80.0445 | 135.9582 | 171.1794 | 200.3157 | 235.9386 | 273.2959 | 0.0 |
| 7 | 19.1145 | 29.6208 | 36.8687 | 80.0445 | 135.9582 | 171.1794 | 200.3157 | 235.9386 | 273.2959 | 0.0 |
| 8 | 19.1145 | 29.6208 | 36.8687 | 80.0445 | 135.9582 | 171.1794 | 200.3157 | 235.9386 | 273.2959 | 0.0 |
| 9 | 19.1145 | 29.6208 | 36.8687 | 80.0445 | 135.9582 | 171.1794 | 200.3157 | 235.9386 | 273.2959 | 0.0 |
| 10 | 19.1145 | 29.6208 | 36.8687 | 80.0445 | 135.9582 | 171.1794 | 200.3157 | 235.9386 | 273.2959 | 0.0 |
| 11 | 19.1145 | 29.6208 | 36.8687 | 80.0445 | 135.9582 | 171.1794 | 200.3157 | 235.9386 | 273.2959 | 0.0 |
| 12 | 19.1145 | 29.6208 | 36.8687 | 80.0445 | 135.9582 | 171.1794 | 200.3157 | 235.9386 | 273.2959 | 0.0 |
| 13 | 19.1145 | 29.6208 | 36.8687 | 80.0445 | 135.9582 | 171.1794 | 200.3157 | 235.9386 | 273.2959 | 0.0 |
| 14 | 19.1145 | 29.6208 | 36.8687 | 80.0445 | 135.9582 | 171.1794 | 200.3157 | 235.9386 | 273.2959 | 0.0 |
| 15 | 19.1145 | 29.6208 | 36.8687 | 80.0445 | 135.9582 | 171.1794 | 200.3157 | 235.9386 | 273.2959 | 0.0 |
| 16 | 19.1145 | 29.6208 | 36.8687 | 80.0445 | 135.9582 | 171.1794 | 200.3157 | 235.9386 | 273.2959 | 0.0 |
| 17 | 19.1145 | 29.6208 | 36.8687 | 80.0445 | 135.9582 | 171.1794 | 200.3157 | 235.9386 | 273.2959 | 0.0 |
| 18 | 19.1145 | 29.6208 | 36.8687 | 80.0445 | 135.9582 | 171.1794 | 200.3157 | 235.9386 | 273.2959 | 0.0 |
| 19 | 19.1145 | 29.6208 | 36.8687 | 80.0445 | 135.9582 | 171.1794 | 200.3157 | 235.9386 | 273.2959 | 0.0 |
| 20 | 19.1145 | 29.6208 | 36.8687 | 80.0445 | 135.9582 | 171.1794 | 200.3157 | 235.9386 | 273.2959 | 0.0 |
| 21 | 19.1145 | 29.6208 | 36.8687 | 80.0445 | 135.9582 | 171.1794 | 200.3157 | 235.9386 | 273.2959 | 0.0 |
| 22 | 19.1145 | 29.6208 | 36.8687 | 80.0445 | 135.9582 | 171.1794 | 200.3157 | 235.9386 | 273.2959 | 0.0 |
| 23 | 19.1145 | 29.6208 | 36.8687 | 80.0445 | 135.9582 | 171.1794 | 200.3157 | 235.9386 | 273.2959 | 0.0 |
| 24 | 19.1145 | 29.6208 | 36.8687 | 80.0445 | 135.9582 | 171.1794 | 200.3157 | 235.9386 | 273.2959 | 0.0 |
| 25 | 19.1145 | 29.6208 | 36.8687 | 80.0445 | 135.9582 | 171.1794 | 200.3157 | 235.9386 | 273.2959 | 0.0 |
| 26 | 19.1145 | 29.6208 | 36.8687 | 80.0445 | 135.9582 | 171.1794 | 200.3157 | 235.9386 | 273.2959 | 0.0 |
| 27 | 19.1145 | 29.6208 | 36.8687 | 80.0445 | 135.9582 | 171.1794 | 200.3157 | 235.9386 | 273.2959 | 0.0 |
| 28 | 19.1145 | 29.6208 | 36.8687 | 80.0445 | 135.9582 | 171.1794 | 200.3157 | 235.9386 | 273.2959 | 0.0 |
| 29 | 19.1145 | 29.6208 | 36.8687 | 80.0445 | 135.9582 | 171.1794 | 200.3157 | 235.9386 | 273.2959 | 0.0 |
| 30 | 19.1145 | 29.6208 | 36.8687 | 80.0445 | 135.9582 | 171.1794 | 200.3157 | 235.9386 | 273.2959 | 0.0 |
| 31 | 19.1145 | 29.6208 | 36.8687 | 80.0445 | 135.9582 | 171.1794 | 200.3157 | 235.9386 | 273.2959 | 0.0 |
| 32 | 19.1145 | 29.6208 | 36.8687 | 80.0445 | 135.9582 | 171.1794 | 200.3157 | 235.9386 | 273.2959 | 0.0 |
| 33 | 19.1145 | 29.6208 | 36.8687 | 80.0445 | 135.9582 | 171.1794 | 200.3157 | 235.9386 | 273.2959 | 0.0 |
| 34 | 19.1145 | 29.6208 | 36.8687 | 80.0445 | 135.9582 | 171.1794 | 200.3157 | 235.9386 | 273.2959 | 0.0 |
| 35 | 19.1145 | 29.6208 | 36.8687 | 80.0445 | 135.9582 | 171.1794 | 200.3157 | 235.9386 | 273.2959 | 0.0 |

FILE NUMBER = 204
 TITLE=CF--TOTAL BAQ, USAF ENL, FY82, E3 COLUMN HAS WEIGHTED E1-E3 RATES

| YOS | GRD 01 | GRD 02 | GRD 03 | GRD 04 | GRD 05 | GRD 06 | GRD 07 | GRD 08 | GRD 09 | GRD 10 |
|-----|---------|---------|---------|----------|----------|----------|----------|----------|----------|--------|
| 1 | 29.0744 | 41.7068 | 41.8829 | 112.1748 | 133.1786 | 152.6407 | 175.7171 | 195.0937 | 228.7879 | 0.0 |
| 2 | 29.0744 | 41.7068 | 64.5180 | 112.1748 | 133.1786 | 152.6407 | 175.7171 | 195.0937 | 228.7879 | 0.0 |
| 3 | 29.0744 | 41.7068 | 65.9831 | 112.1748 | 133.1786 | 152.6407 | 175.7171 | 195.0937 | 228.7879 | 0.0 |
| 4 | 29.0744 | 41.7068 | 62.1054 | 112.1748 | 133.1786 | 152.6407 | 175.7171 | 195.0937 | 228.7879 | 0.0 |
| 5 | 29.0744 | 41.7068 | 62.1054 | 112.1748 | 133.1786 | 152.6407 | 175.7171 | 195.0937 | 228.7879 | 0.0 |
| 6 | 29.0744 | 41.7068 | 62.1054 | 112.1748 | 133.1786 | 152.6407 | 175.7171 | 195.0937 | 228.7879 | 0.0 |
| 7 | 29.0744 | 41.7068 | 62.1054 | 112.1748 | 133.1786 | 152.6407 | 175.7171 | 195.0937 | 228.7879 | 0.0 |
| 8 | 29.0744 | 41.7068 | 62.1054 | 112.1748 | 133.1786 | 152.6407 | 175.7171 | 195.0937 | 228.7879 | 0.0 |
| 9 | 29.0744 | 41.7068 | 62.1054 | 112.1748 | 133.1786 | 152.6407 | 175.7171 | 195.0937 | 228.7879 | 0.0 |
| 10 | 29.0744 | 41.7068 | 62.1054 | 112.1748 | 133.1786 | 152.6407 | 175.7171 | 195.0937 | 228.7879 | 0.0 |
| 11 | 29.0744 | 41.7068 | 62.1054 | 112.1748 | 133.1786 | 152.6407 | 175.7171 | 195.0937 | 228.7879 | 0.0 |
| 12 | 29.0744 | 41.7068 | 62.1054 | 112.1748 | 133.1786 | 152.6407 | 175.7171 | 195.0937 | 228.7879 | 0.0 |
| 13 | 29.0744 | 41.7068 | 62.1054 | 112.1748 | 133.1786 | 152.6407 | 175.7171 | 195.0937 | 228.7879 | 0.0 |
| 14 | 29.0744 | 41.7068 | 62.1054 | 112.1748 | 133.1786 | 152.6407 | 175.7171 | 195.0937 | 228.7879 | 0.0 |
| 15 | 29.0744 | 41.7068 | 62.1054 | 112.1748 | 133.1786 | 152.6407 | 175.7171 | 195.0937 | 228.7879 | 0.0 |
| 16 | 29.0744 | 41.7068 | 62.1054 | 112.1748 | 133.1786 | 152.6407 | 175.7171 | 195.0937 | 228.7879 | 0.0 |
| 17 | 29.0744 | 41.7068 | 62.1054 | 112.1748 | 133.1786 | 152.6407 | 175.7171 | 195.0937 | 228.7879 | 0.0 |
| 18 | 29.0744 | 41.7068 | 62.1054 | 112.1748 | 133.1786 | 152.6407 | 175.7171 | 195.0937 | 228.7879 | 0.0 |
| 19 | 29.0744 | 41.7068 | 62.1054 | 112.1748 | 133.1786 | 152.6407 | 175.7171 | 195.0937 | 228.7879 | 0.0 |
| 20 | 29.0744 | 41.7068 | 62.1054 | 112.1748 | 133.1786 | 152.6407 | 175.7171 | 195.0937 | 228.7879 | 0.0 |
| 21 | 29.0744 | 41.7068 | 62.1054 | 112.1748 | 133.1786 | 152.6407 | 175.7171 | 195.0937 | 228.7879 | 0.0 |
| 22 | 29.0744 | 41.7068 | 62.1054 | 112.1748 | 133.1786 | 152.6407 | 175.7171 | 195.0937 | 228.7879 | 0.0 |
| 23 | 29.0744 | 41.7068 | 62.1054 | 112.1748 | 133.1786 | 152.6407 | 175.7171 | 195.0937 | 228.7879 | 0.0 |
| 24 | 29.0744 | 41.7068 | 62.1054 | 112.1748 | 133.1786 | 152.6407 | 175.7171 | 195.0937 | 228.7879 | 0.0 |
| 25 | 29.0744 | 41.7068 | 62.1054 | 112.1748 | 133.1786 | 152.6407 | 175.7171 | 195.0937 | 228.7879 | 0.0 |
| 26 | 29.0744 | 41.7068 | 62.1054 | 112.1748 | 133.1786 | 152.6407 | 175.7171 | 195.0937 | 228.7879 | 0.0 |
| 27 | 29.0744 | 41.7068 | 62.1054 | 112.1748 | 133.1786 | 152.6407 | 175.7171 | 195.0937 | 228.7879 | 0.0 |
| 28 | 29.0744 | 41.7068 | 62.1054 | 112.1748 | 133.1786 | 152.6407 | 175.7171 | 195.0937 | 228.7879 | 0.0 |
| 29 | 29.0744 | 41.7068 | 62.1054 | 112.1748 | 133.1786 | 152.6407 | 175.7171 | 195.0937 | 228.7879 | 0.0 |
| 30 | 29.0744 | 41.7068 | 62.1054 | 112.1748 | 133.1786 | 152.6407 | 175.7171 | 195.0937 | 228.7879 | 0.0 |
| 31 | 29.0744 | 41.7068 | 62.1054 | 112.1748 | 133.1786 | 152.6407 | 175.7171 | 195.0937 | 228.7879 | 0.0 |
| 32 | 29.0744 | 41.7068 | 62.1054 | 112.1748 | 133.1786 | 152.6407 | 175.7171 | 195.0937 | 228.7879 | 0.0 |
| 33 | 29.0744 | 41.7068 | 62.1054 | 112.1748 | 133.1786 | 152.6407 | 175.7171 | 195.0937 | 228.7879 | 0.0 |
| 34 | 29.0744 | 41.7068 | 62.1054 | 112.1748 | 133.1786 | 152.6407 | 175.7171 | 195.0937 | 228.7879 | 0.0 |
| 35 | 29.0744 | 41.7068 | 62.1054 | 112.1748 | 133.1786 | 152.6407 | 175.7171 | 195.0937 | 228.7879 | 0.0 |

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FILE NUMBER = 205
 TITLE=CF--FICA MONTHLY FOR ENLISTED, FY82, E3 COLUMN CONTAINS WEIGHTED E1-E3

| YOS | GRD 01 | GRD 02 | GRD 03 | GRD 04 | GRD 05 | GRD 06 | GRD 07 | GRD 08 | GRD 09 | GRD 10 |
|-----|---------|---------|---------|---------|---------|---------|----------|----------|----------|--------|
| 1 | 36.8601 | 41.3323 | 39.6447 | 45.6039 | 48.8928 | 55.6913 | 64.7559 | 92.7519 | 110.5603 | 0.0 |
| 2 | 36.8601 | 41.3323 | 42.4082 | 45.6039 | 48.8928 | 55.6913 | 64.7559 | 92.7519 | 110.5603 | 0.0 |
| 3 | 36.8601 | 41.3323 | 44.4838 | 48.1508 | 53.2246 | 60.7249 | 69.8998 | 92.7519 | 110.5603 | 0.0 |
| 4 | 36.8601 | 41.3323 | 45.1200 | 50.9584 | 55.7915 | 63.2719 | 72.4969 | 92.7519 | 110.5603 | 0.0 |
| 5 | 36.8601 | 41.3323 | 46.5189 | 54.9292 | 58.2181 | 65.9391 | 75.0037 | 92.7519 | 110.5603 | 0.0 |
| 6 | 36.8601 | 41.3323 | 46.5189 | 54.9292 | 58.2181 | 65.9391 | 75.0037 | 92.7519 | 110.5603 | 0.0 |
| 7 | 36.8601 | 41.3323 | 46.5189 | 57.1151 | 62.0285 | 68.3857 | 77.5907 | 92.7519 | 110.5603 | 0.0 |
| 8 | 36.8601 | 41.3323 | 46.5189 | 57.1151 | 62.0285 | 68.3857 | 77.5907 | 92.7519 | 110.5603 | 0.0 |
| 9 | 36.8601 | 41.3323 | 46.5189 | 57.1151 | 64.5553 | 70.8925 | 80.0374 | 92.7519 | 110.5603 | 0.0 |
| 10 | 36.8601 | 41.3323 | 46.5189 | 57.1151 | 64.5553 | 70.8925 | 80.0374 | 92.7519 | 110.5603 | 0.0 |
| 11 | 36.8601 | 41.3323 | 46.5189 | 57.1151 | 67.1423 | 73.4796 | 82.6244 | 95.3657 | 110.5603 | 0.0 |
| 12 | 36.8601 | 41.3323 | 46.5189 | 57.1151 | 67.1423 | 73.4796 | 82.6244 | 95.3657 | 110.5603 | 0.0 |
| 13 | 36.8601 | 41.3323 | 46.5189 | 57.1151 | 69.6091 | 77.2699 | 85.1714 | 97.8859 | 113.0671 | 0.0 |
| 14 | 36.8601 | 41.3323 | 46.5189 | 57.1151 | 69.6091 | 77.2699 | 85.1714 | 97.8859 | 113.0671 | 0.0 |
| 15 | 36.8601 | 41.3323 | 46.5189 | 57.1151 | 70.8925 | 79.6964 | 89.0218 | 100.4528 | 115.6341 | 0.0 |
| 16 | 36.8601 | 41.3323 | 46.5189 | 57.1151 | 70.8925 | 79.6964 | 89.0218 | 100.4528 | 115.6341 | 0.0 |
| 17 | 36.8601 | 41.3323 | 46.5189 | 57.1151 | 70.8925 | 82.2634 | 91.5487 | 103.0800 | 118.3013 | 0.0 |
| 18 | 36.8601 | 41.3323 | 46.5189 | 57.1151 | 70.8925 | 82.2634 | 91.5487 | 103.0800 | 118.3013 | 0.0 |
| 19 | 36.8601 | 41.3323 | 46.5189 | 57.1151 | 70.8925 | 83.5068 | 94.1357 | 105.4664 | 120.9285 | 0.0 |
| 20 | 36.8601 | 41.3323 | 46.5189 | 57.1151 | 70.8925 | 83.5068 | 94.1357 | 105.4664 | 120.9285 | 0.0 |
| 21 | 36.8601 | 41.3323 | 46.5189 | 57.1151 | 70.8925 | 83.5068 | 95.3590 | 108.0535 | 123.2748 | 0.0 |
| 22 | 36.8601 | 41.3323 | 46.5189 | 57.1151 | 70.8925 | 83.5068 | 95.3590 | 108.0535 | 123.2748 | 0.0 |
| 23 | 36.8601 | 41.3323 | 46.5189 | 57.1151 | 70.8925 | 83.5068 | 101.7564 | 114.4108 | 129.7725 | 0.0 |
| 24 | 36.8601 | 41.3323 | 46.5189 | 57.1151 | 70.8925 | 83.5068 | 101.7564 | 114.4108 | 129.7725 | 0.0 |
| 25 | 36.8601 | 41.3323 | 46.5189 | 57.1151 | 70.8925 | 83.5068 | 101.7564 | 114.4108 | 129.7725 | 0.0 |
| 26 | 36.8601 | 41.3323 | 46.5189 | 57.1151 | 70.8925 | 83.5068 | 114.4108 | 127.1654 | 142.3867 | 0.0 |
| 27 | 36.8601 | 41.3323 | 46.5189 | 57.1151 | 70.8925 | 83.5068 | 114.4108 | 127.1654 | 142.3867 | 0.0 |
| 28 | 36.8601 | 41.3323 | 46.5189 | 57.1151 | 70.8925 | 83.5068 | 114.4108 | 127.1654 | 142.3867 | 0.0 |
| 29 | 36.8601 | 41.3323 | 46.5189 | 57.1151 | 70.8925 | 83.5068 | 114.4108 | 127.1654 | 142.3867 | 0.0 |
| 30 | 36.8601 | 41.3323 | 46.5189 | 57.1151 | 70.8925 | 83.5068 | 114.4108 | 127.1654 | 142.3867 | 0.0 |
| 31 | 36.8601 | 41.3323 | 46.5189 | 57.1151 | 70.8925 | 83.5068 | 114.4108 | 127.1654 | 142.3867 | 0.0 |
| 32 | 36.8601 | 41.3323 | 46.5189 | 57.1151 | 70.8925 | 83.5068 | 114.4108 | 127.1654 | 142.3867 | 0.0 |
| 33 | 36.8601 | 41.3323 | 46.5189 | 57.1151 | 70.8925 | 83.5068 | 114.4108 | 127.1654 | 142.3867 | 0.0 |
| 34 | 36.8601 | 41.3323 | 46.5189 | 57.1151 | 70.8925 | 83.5068 | 114.4108 | 127.1654 | 142.3867 | 0.0 |
| 35 | 36.8601 | 41.3323 | 46.5189 | 57.1151 | 70.8925 | 83.5068 | 114.4108 | 127.1654 | 142.3867 | 0.0 |

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FILE NUMBER = 206
 TITLE=CF--TOTAL VHA,ARMY ENL,FY82---E1-E3 WEIGHTED INTO E3

| YOS | GRD 01 | GRD 02 | GRD 03 | GRD 04 | GRD 05 | GRD 06 | GRD 07 | GRD 08 | GRD 09 | GRD 10 |
|-----|--------|--------|---------|---------|---------|---------|---------|---------|---------|--------|
| 1 | 2.7100 | 6.8600 | 5.8725 | 11.2000 | 22.8900 | 26.7500 | 40.1800 | 49.9500 | 56.3700 | 0.0 |
| 2 | 2.7100 | 6.8600 | 10.1725 | 11.2000 | 22.8900 | 26.7500 | 40.1800 | 49.9500 | 56.3700 | 0.0 |
| 3 | 2.7100 | 6.8600 | 10.3925 | 11.2000 | 22.8900 | 26.7500 | 40.1800 | 49.9500 | 56.3700 | 0.0 |
| 4 | 2.7100 | 6.8600 | 9.6412 | 11.2000 | 22.8900 | 26.7500 | 40.1800 | 49.9500 | 56.3700 | 0.0 |
| 5 | 2.7100 | 6.8600 | 9.6412 | 11.2000 | 22.8900 | 26.7500 | 40.1800 | 49.9500 | 56.3700 | 0.0 |
| 6 | 2.7100 | 6.8600 | 9.6412 | 11.2000 | 22.8900 | 26.7500 | 40.1800 | 49.9500 | 56.3700 | 0.0 |
| 7 | 2.7100 | 6.8600 | 9.6412 | 11.2000 | 22.8900 | 26.7500 | 40.1800 | 49.9500 | 56.3700 | 0.0 |
| 8 | 2.7100 | 6.8600 | 9.6412 | 11.2000 | 22.8900 | 26.7500 | 40.1800 | 49.9500 | 56.3700 | 0.0 |
| 9 | 2.7100 | 6.8600 | 9.6412 | 11.2000 | 22.8900 | 26.7500 | 40.1800 | 49.9500 | 56.3700 | 0.0 |
| 10 | 2.7100 | 6.8600 | 9.6412 | 11.2000 | 22.8900 | 26.7500 | 40.1800 | 49.9500 | 56.3700 | 0.0 |
| 11 | 2.7100 | 6.8600 | 9.6412 | 11.2000 | 22.8900 | 26.7500 | 40.1800 | 49.9500 | 56.3700 | 0.0 |
| 12 | 2.7100 | 6.8600 | 9.6412 | 11.2000 | 22.8900 | 26.7500 | 40.1800 | 49.9500 | 56.3700 | 0.0 |
| 13 | 2.7100 | 6.8600 | 9.6412 | 11.2000 | 22.8900 | 26.7500 | 40.1800 | 49.9500 | 56.3700 | 0.0 |
| 14 | 2.7100 | 6.8600 | 9.6412 | 11.2000 | 22.8900 | 26.7500 | 40.1800 | 49.9500 | 56.3700 | 0.0 |
| 15 | 2.7100 | 6.8600 | 9.6412 | 11.2000 | 22.8900 | 26.7500 | 40.1800 | 49.9500 | 56.3700 | 0.0 |
| 16 | 2.7100 | 6.8600 | 9.6412 | 11.2000 | 22.8900 | 26.7500 | 40.1800 | 49.9500 | 56.3700 | 0.0 |
| 17 | 2.7100 | 6.8600 | 9.6412 | 11.2000 | 22.8900 | 26.7500 | 40.1800 | 49.9500 | 56.3700 | 0.0 |
| 18 | 2.7100 | 6.8600 | 9.6412 | 11.2000 | 22.8900 | 26.7500 | 40.1800 | 49.9500 | 56.3700 | 0.0 |
| 19 | 2.7100 | 6.8600 | 9.6412 | 11.2000 | 22.8900 | 26.7500 | 40.1800 | 49.9500 | 56.3700 | 0.0 |
| 20 | 2.7100 | 6.8600 | 9.6412 | 11.2000 | 22.8900 | 26.7500 | 40.1800 | 49.9500 | 56.3700 | 0.0 |
| 21 | 2.7100 | 6.8600 | 9.6412 | 11.2000 | 22.8900 | 26.7500 | 40.1800 | 49.9500 | 56.3700 | 0.0 |
| 22 | 2.7100 | 6.8600 | 9.6412 | 11.2000 | 22.8900 | 26.7500 | 40.1800 | 49.9500 | 56.3700 | 0.0 |
| 23 | 2.7100 | 6.8600 | 9.6412 | 11.2000 | 22.8900 | 26.7500 | 40.1800 | 49.9500 | 56.3700 | 0.0 |
| 24 | 2.7100 | 6.8600 | 9.6412 | 11.2000 | 22.8900 | 26.7500 | 40.1800 | 49.9500 | 56.3700 | 0.0 |
| 25 | 2.7100 | 6.8600 | 9.6412 | 11.2000 | 22.8900 | 26.7500 | 40.1800 | 49.9500 | 56.3700 | 0.0 |
| 26 | 2.7100 | 6.8600 | 9.6412 | 11.2000 | 22.8900 | 26.7500 | 40.1800 | 49.9500 | 56.3700 | 0.0 |
| 27 | 2.7100 | 6.8600 | 9.6412 | 11.2000 | 22.8900 | 26.7500 | 40.1800 | 49.9500 | 56.3700 | 0.0 |
| 28 | 2.7100 | 6.8600 | 9.6412 | 11.2000 | 22.8900 | 26.7500 | 40.1800 | 49.9500 | 56.3700 | 0.0 |
| 29 | 2.7100 | 6.8600 | 9.6412 | 11.2000 | 22.8900 | 26.7500 | 40.1800 | 49.9500 | 56.3700 | 0.0 |
| 30 | 2.7100 | 6.8600 | 9.6412 | 11.2000 | 22.8900 | 26.7500 | 40.1800 | 49.9500 | 56.3700 | 0.0 |
| 31 | 2.7100 | 6.8600 | 9.6412 | 11.2000 | 22.8900 | 26.7500 | 40.1800 | 49.9500 | 56.3700 | 0.0 |
| 32 | 2.7100 | 6.8600 | 9.6412 | 11.2000 | 22.8900 | 26.7500 | 40.1800 | 49.9500 | 56.3700 | 0.0 |
| 33 | 2.7100 | 6.8600 | 9.6412 | 11.2000 | 22.8900 | 26.7500 | 40.1800 | 49.9500 | 56.3700 | 0.0 |
| 34 | 2.7100 | 6.8600 | 9.6412 | 11.2000 | 22.8900 | 26.7500 | 40.1800 | 49.9500 | 56.3700 | 0.0 |
| 35 | 2.7100 | 6.8600 | 9.6412 | 11.2000 | 22.8900 | 26.7500 | 40.1800 | 49.9500 | 56.3700 | 0.0 |

H-286

FILE NUMBER = 207
 TITLE=CF--TOTAL VHA,NAVY ENL,FY82,E3 COLUMN CONTAINS WEIGHTED E1-E3 RATES

| YDS | GRD 01 | GRD 02 | GRD 03 | GRD 04 | GRD 05 | GRD 06 | GRD 07 | GRD 08 | GRD 09 | GRD 10 |
|-----|--------|--------|---------|---------|---------|---------|---------|---------|---------|--------|
| 1 | 5.5100 | 9.9300 | 10.8210 | 26.2100 | 41.9800 | 61.9800 | 79.0100 | 88.6800 | 98.4200 | 0.0 |
| 2 | 5.5100 | 9.9300 | 21.2290 | 26.2100 | 41.9800 | 61.9800 | 79.0100 | 88.6800 | 98.4200 | 0.0 |
| 3 | 5.5100 | 9.9300 | 21.9490 | 26.2100 | 41.9800 | 61.9800 | 79.0100 | 88.6800 | 98.4200 | 0.0 |
| 4 | 5.5100 | 9.9300 | 20.1775 | 26.2100 | 41.9800 | 61.9800 | 79.0100 | 88.6800 | 98.4200 | 0.0 |
| 5 | 5.5100 | 9.9300 | 20.1775 | 26.2100 | 41.9800 | 61.9800 | 79.0100 | 88.6800 | 98.4200 | 0.0 |
| 6 | 5.5100 | 9.9300 | 20.1775 | 26.2100 | 41.9800 | 61.9800 | 79.0100 | 88.6800 | 98.4200 | 0.0 |
| 7 | 5.5100 | 9.9300 | 20.1775 | 26.2100 | 41.9800 | 61.9800 | 79.0100 | 88.6800 | 98.4200 | 0.0 |
| 8 | 5.5100 | 9.9300 | 20.1775 | 26.2100 | 41.9800 | 61.9800 | 79.0100 | 88.6800 | 98.4200 | 0.0 |
| 9 | 5.5100 | 9.9300 | 20.1775 | 26.2100 | 41.9800 | 61.9800 | 79.0100 | 88.6800 | 98.4200 | 0.0 |
| 10 | 5.5100 | 9.9300 | 20.1775 | 26.2100 | 41.9800 | 61.9800 | 79.0100 | 88.6800 | 98.4200 | 0.0 |
| 11 | 5.5100 | 9.9300 | 20.1775 | 26.2100 | 41.9800 | 61.9800 | 79.0100 | 88.6800 | 98.4200 | 0.0 |
| 12 | 5.5100 | 9.9300 | 20.1775 | 26.2100 | 41.9800 | 61.9800 | 79.0100 | 88.6800 | 98.4200 | 0.0 |
| 13 | 5.5100 | 9.9300 | 20.1775 | 26.2100 | 41.9800 | 61.9800 | 79.0100 | 88.6800 | 98.4200 | 0.0 |
| 14 | 5.5100 | 9.9300 | 20.1775 | 26.2100 | 41.9800 | 61.9800 | 79.0100 | 88.6800 | 98.4200 | 0.0 |
| 15 | 5.5100 | 9.9300 | 20.1775 | 26.2100 | 41.9800 | 61.9800 | 79.0100 | 88.6800 | 98.4200 | 0.0 |
| 16 | 5.5100 | 9.9300 | 20.1775 | 26.2100 | 41.9800 | 61.9800 | 79.0100 | 88.6800 | 98.4200 | 0.0 |
| 17 | 5.5100 | 9.9300 | 20.1775 | 26.2100 | 41.9800 | 61.9800 | 79.0100 | 88.6800 | 98.4200 | 0.0 |
| 18 | 5.5100 | 9.9300 | 20.1775 | 26.2100 | 41.9800 | 61.9800 | 79.0100 | 88.6800 | 98.4200 | 0.0 |
| 19 | 5.5100 | 9.9300 | 20.1775 | 26.2100 | 41.9800 | 61.9800 | 79.0100 | 88.6800 | 98.4200 | 0.0 |
| 20 | 5.5100 | 9.9300 | 20.1775 | 26.2100 | 41.9800 | 61.9800 | 79.0100 | 88.6800 | 98.4200 | 0.0 |
| 21 | 5.5100 | 9.9300 | 20.1775 | 26.2100 | 41.9800 | 61.9800 | 79.0100 | 88.6800 | 98.4200 | 0.0 |
| 22 | 5.5100 | 9.9300 | 20.1775 | 26.2100 | 41.9800 | 61.9800 | 79.0100 | 88.6800 | 98.4200 | 0.0 |
| 23 | 5.5100 | 9.9300 | 20.1775 | 26.2100 | 41.9800 | 61.9800 | 79.0100 | 88.6800 | 98.4200 | 0.0 |
| 24 | 5.5100 | 9.9300 | 20.1775 | 26.2100 | 41.9800 | 61.9800 | 79.0100 | 88.6800 | 98.4200 | 0.0 |
| 25 | 5.5100 | 9.9300 | 20.1775 | 26.2100 | 41.9800 | 61.9800 | 79.0100 | 88.6800 | 98.4200 | 0.0 |
| 26 | 5.5100 | 9.9300 | 20.1775 | 26.2100 | 41.9800 | 61.9800 | 79.0100 | 88.6800 | 98.4200 | 0.0 |
| 27 | 5.5100 | 9.9300 | 20.1775 | 26.2100 | 41.9800 | 61.9800 | 79.0100 | 88.6800 | 98.4200 | 0.0 |
| 28 | 5.5100 | 9.9300 | 20.1775 | 26.2100 | 41.9800 | 61.9800 | 79.0100 | 88.6800 | 98.4200 | 0.0 |
| 29 | 5.5100 | 9.9300 | 20.1775 | 26.2100 | 41.9800 | 61.9800 | 79.0100 | 88.6800 | 98.4200 | 0.0 |
| 30 | 5.5100 | 9.9300 | 20.1775 | 26.2100 | 41.9800 | 61.9800 | 79.0100 | 88.6800 | 98.4200 | 0.0 |
| 31 | 5.5100 | 9.9300 | 20.1775 | 26.2100 | 41.9800 | 61.9800 | 79.0100 | 88.6800 | 98.4200 | 0.0 |
| 32 | 5.5100 | 9.9300 | 20.1775 | 26.2100 | 41.9800 | 61.9800 | 79.0100 | 88.6800 | 98.4200 | 0.0 |
| 33 | 5.5100 | 9.9300 | 20.1775 | 26.2100 | 41.9800 | 61.9800 | 79.0100 | 88.6800 | 98.4200 | 0.0 |
| 34 | 5.5100 | 9.9300 | 20.1775 | 26.2100 | 41.9800 | 61.9800 | 79.0100 | 88.6800 | 98.4200 | 0.0 |
| 35 | 5.5100 | 9.9300 | 20.1775 | 26.2100 | 41.9800 | 61.9800 | 79.0100 | 88.6800 | 98.4200 | 0.0 |

FILE NUMBER = 209
 TITLE=CF--TOTAL VHA, AF ENL, FY82, E3 COLUMN HAS WEIGHTED E1-E3 RATES

| YOS | GRD 01 | GRD 02 | GRD 03 | GRD 04 | GRD 05 | GRD 06 | GRD 07 | GRD 08 | GRD 09 | GRD 10 |
|-----|--------|--------|---------|---------|---------|---------|---------|---------|---------|--------|
| 1 | 5.2800 | 7.7000 | 9.5330 | 21.9700 | 30.8900 | 39.0400 | 51.6400 | 56.2900 | 57.4100 | 0.0 |
| 2 | 5.2800 | 7.7000 | 19.2670 | 21.9700 | 30.8900 | 39.0400 | 51.6400 | 56.2900 | 57.4100 | 0.0 |
| 3 | 5.2800 | 7.7000 | 19.9975 | 21.9700 | 30.8900 | 39.0400 | 51.6400 | 56.2900 | 57.4100 | 0.0 |
| 4 | 5.2600 | 7.7000 | 18.3550 | 21.9700 | 30.8900 | 39.0400 | 51.6400 | 56.2900 | 57.4100 | 0.0 |
| 5 | 5.2800 | 7.7000 | 18.3550 | 21.9700 | 30.8900 | 39.0400 | 51.6400 | 56.2900 | 57.4100 | 0.0 |
| 6 | 5.2800 | 7.7000 | 18.3550 | 21.9700 | 30.8900 | 39.0400 | 51.6400 | 56.2900 | 57.4100 | 0.0 |
| 7 | 5.2800 | 7.7000 | 18.3550 | 21.9700 | 30.8900 | 39.0400 | 51.6400 | 56.2900 | 57.4100 | 0.0 |
| 8 | 5.2800 | 7.7000 | 18.3550 | 21.9700 | 30.8900 | 39.0400 | 51.6400 | 56.2900 | 57.4100 | 0.0 |
| 9 | 5.2800 | 7.7000 | 18.3550 | 21.9700 | 30.8900 | 39.0400 | 51.6400 | 56.2900 | 57.4100 | 0.0 |
| 10 | 5.2800 | 7.7000 | 18.3550 | 21.9700 | 30.8900 | 39.0400 | 51.6400 | 56.2900 | 57.4100 | 0.0 |
| 11 | 5.2800 | 7.7000 | 18.3550 | 21.9700 | 30.8900 | 39.0400 | 51.6400 | 56.2900 | 57.4100 | 0.0 |
| 12 | 5.2800 | 7.7000 | 18.3550 | 21.9700 | 30.8900 | 39.0400 | 51.6400 | 56.2900 | 57.4100 | 0.0 |
| 13 | 5.2800 | 7.7000 | 18.3550 | 21.9700 | 30.8900 | 39.0400 | 51.6400 | 56.2900 | 57.4100 | 0.0 |
| 14 | 5.2800 | 7.7000 | 18.3550 | 21.9700 | 30.8900 | 39.0400 | 51.6400 | 56.2900 | 57.4100 | 0.0 |
| 15 | 5.2800 | 7.7000 | 18.3550 | 21.9700 | 30.8900 | 39.0400 | 51.6400 | 56.2900 | 57.4100 | 0.0 |
| 16 | 5.2800 | 7.7000 | 18.3550 | 21.9700 | 30.8900 | 39.0400 | 51.6400 | 56.2900 | 57.4100 | 0.0 |
| 17 | 5.2800 | 7.7000 | 18.3550 | 21.9700 | 30.8900 | 39.0400 | 51.6400 | 56.2900 | 57.4100 | 0.0 |
| 18 | 5.2800 | 7.7000 | 18.3550 | 21.9700 | 30.8900 | 39.0400 | 51.6400 | 56.2900 | 57.4100 | 0.0 |
| 19 | 5.2800 | 7.7000 | 18.3550 | 21.9700 | 30.8900 | 39.0400 | 51.6400 | 56.2900 | 57.4100 | 0.0 |
| 20 | 5.2800 | 7.7000 | 18.3550 | 21.9700 | 30.8900 | 39.0400 | 51.6400 | 56.2900 | 57.4100 | 0.0 |
| 21 | 5.2800 | 7.7000 | 18.3550 | 21.9700 | 30.8900 | 39.0400 | 51.6400 | 56.2900 | 57.4100 | 0.0 |
| 22 | 5.2800 | 7.7000 | 18.3550 | 21.9700 | 30.8900 | 39.0400 | 51.6400 | 56.2900 | 57.4100 | 0.0 |
| 23 | 5.2800 | 7.7000 | 18.3550 | 21.9700 | 30.8900 | 39.0400 | 51.6400 | 56.2900 | 57.4100 | 0.0 |
| 24 | 5.2800 | 7.7000 | 18.3550 | 21.9700 | 30.8900 | 39.0400 | 51.6400 | 56.2900 | 57.4100 | 0.0 |
| 25 | 5.2800 | 7.7000 | 18.3550 | 21.9700 | 30.8900 | 39.0400 | 51.6400 | 56.2900 | 57.4100 | 0.0 |
| 26 | 5.2800 | 7.7000 | 18.3550 | 21.9700 | 30.8900 | 39.0400 | 51.6400 | 56.2900 | 57.4100 | 0.0 |
| 27 | 5.2800 | 7.7000 | 18.3550 | 21.9700 | 30.8900 | 39.0400 | 51.6400 | 56.2900 | 57.4100 | 0.0 |
| 28 | 5.2800 | 7.7000 | 18.3550 | 21.9700 | 30.8900 | 39.0400 | 51.6400 | 56.2900 | 57.4100 | 0.0 |
| 29 | 5.2800 | 7.7000 | 18.3550 | 21.9700 | 30.8900 | 39.0400 | 51.6400 | 56.2900 | 57.4100 | 0.0 |
| 30 | 5.2800 | 7.7000 | 18.3550 | 21.9700 | 30.8900 | 39.0400 | 51.6400 | 56.2900 | 57.4100 | 0.0 |
| 31 | 5.2800 | 7.7000 | 18.3550 | 21.9700 | 30.8900 | 39.0400 | 51.6400 | 56.2900 | 57.4100 | 0.0 |
| 32 | 5.2800 | 7.7000 | 18.3550 | 21.9700 | 30.8900 | 39.0400 | 51.6400 | 56.2900 | 57.4100 | 0.0 |
| 33 | 5.2800 | 7.7000 | 18.3550 | 21.9700 | 30.8900 | 39.0400 | 51.6400 | 56.2900 | 57.4100 | 0.0 |
| 34 | 5.2800 | 7.7000 | 18.3550 | 21.9700 | 30.8900 | 39.0400 | 51.6400 | 56.2900 | 57.4100 | 0.0 |
| 35 | 5.2800 | 7.7000 | 18.3550 | 21.9700 | 30.8900 | 39.0400 | 51.6400 | 56.2900 | 57.4100 | 0.0 |

[illegible]

H-289

H-290

[illegible]

[illegible][illegible]

[illegible]

FILE NUMBER = 215
 TITLE=CF--ENL DIS SEV PAY ,E3 COL HAS WEIGHTED E1-E3 RATES

| YOS | GRD 01 | GRD 02 | GRD 03 | GRD 04 | GRD 05 | GRD 06 | GRD 07 | GRD 08 | GRD 09 | GRD 10 |
|-----|------------|------------|------------|------------|------------|------------|------------|------------|------------|--------|
| 1 | 1102.7998 | 1236.6001 | 1186.1096 | 1364.3999 | 1462.7998 | 1666.2002 | 1937.3999 | 2175.0000 | 3307.7998 | 0.0 |
| 2 | 2205.5996 | 2473.0002 | 2537.5798 | 2728.7998 | 2925.5996 | 3332.4004 | 3874.7998 | 5550.0000 | 6615.5977 | 0.0 |
| 3 | 3308.3994 | 3709.8003 | 3992.6697 | 4321.7969 | 4777.1992 | 5450.3984 | 6273.0000 | 8325.0000 | 9923.3984 | 0.0 |
| 4 | 4411.1992 | 4946.3984 | 5399.6992 | 6098.3984 | 6676.8008 | 7572.0000 | 8676.0000 | 11100.0000 | 13231.1992 | 0.0 |
| 5 | 5513.9961 | 6183.0000 | 6958.8672 | 8216.9961 | 8708.9961 | 9863.9961 | 11220.0000 | 13875.0000 | 16538.9961 | 0.0 |
| 6 | 6616.7969 | 7419.5977 | 8350.6445 | 9860.3984 | 10450.7969 | 11836.7969 | 13464.0000 | 16650.0000 | 19846.7969 | 0.0 |
| 7 | 7719.5977 | 8656.1992 | 9742.4180 | 11961.5977 | 12990.5977 | 14322.0000 | 16249.7969 | 19425.0000 | 23154.5977 | 0.0 |
| 8 | 8822.3984 | 9892.8000 | 11134.1953 | 13670.3984 | 14846.3984 | 16368.0000 | 18571.1992 | 22420.0000 | 26462.3984 | 0.0 |
| 9 | 9925.1953 | 11129.3984 | 12525.9687 | 15379.1953 | 17382.5977 | 19089.0000 | 21551.3984 | 24975.0000 | 29770.1953 | 0.0 |
| 10 | 11027.9961 | 12366.0000 | 13917.7422 | 17087.9961 | 19313.9961 | 21210.0000 | 23946.0000 | 27750.0000 | 33077.9961 | 0.0 |
| 11 | 12130.7969 | 13602.5977 | 15309.5195 | 18796.7969 | 22096.7969 | 24182.3984 | 27192.0000 | 31385.1992 | 36385.7969 | 0.0 |
| 12 | 13233.5977 | 14839.1992 | 16701.2930 | 20505.5977 | 24105.5977 | 26380.7969 | 29664.0000 | 34238.4023 | 39693.5977 | 0.0 |
| 13 | 13233.5977 | 14839.1992 | 16701.2930 | 20505.5977 | 24991.1992 | 27741.5977 | 30578.4023 | 35143.1992 | 40593.5977 | 0.0 |
| 14 | 13233.5977 | 14839.1992 | 16701.2930 | 20505.5977 | 24991.1992 | 27741.5977 | 30578.4023 | 35143.1992 | 40593.5977 | 0.0 |
| 15 | 13233.5977 | 14839.1992 | 16701.2930 | 20505.5977 | 25452.0000 | 28612.7969 | 31960.7969 | 36064.7969 | 41515.1992 | 0.0 |
| 16 | 13233.5977 | 14839.1992 | 16701.2930 | 20505.5977 | 25452.0000 | 28612.7969 | 31960.7969 | 36064.7969 | 41515.1992 | 0.0 |
| 17 | 13233.5977 | 14839.1992 | 16701.2930 | 20505.5977 | 25452.0000 | 28612.7969 | 31960.7969 | 36064.7969 | 41515.1992 | 0.0 |
| 18 | 13233.5977 | 14839.1992 | 16701.2930 | 20505.5977 | 25452.0000 | 28612.7969 | 31960.7969 | 36064.7969 | 41515.1992 | 0.0 |
| 19 | 13233.5977 | 14839.1992 | 16701.2930 | 20505.5977 | 25452.0000 | 28612.7969 | 31960.7969 | 36064.7969 | 41515.1992 | 0.0 |
| 20 | 13233.5977 | 14839.1992 | 16701.2930 | 20505.5977 | 25452.0000 | 28612.7969 | 31960.7969 | 36064.7969 | 41515.1992 | 0.0 |
| 21 | 13233.5977 | 14839.1992 | 16701.2930 | 20505.5977 | 25452.0000 | 28612.7969 | 31960.7969 | 36064.7969 | 41515.1992 | 0.0 |
| 22 | 13233.5977 | 14839.1992 | 16701.2930 | 20505.5977 | 25452.0000 | 28612.7969 | 31960.7969 | 36064.7969 | 41515.1992 | 0.0 |
| 23 | 13233.5977 | 14839.1992 | 16701.2930 | 20505.5977 | 25452.0000 | 28612.7969 | 31960.7969 | 36064.7969 | 41515.1992 | 0.0 |
| 24 | 13233.5977 | 14839.1992 | 16701.2930 | 20505.5977 | 25452.0000 | 28612.7969 | 31960.7969 | 36064.7969 | 41515.1992 | 0.0 |
| 25 | 13233.5977 | 14839.1992 | 16701.2930 | 20505.5977 | 25452.0000 | 28612.7969 | 31960.7969 | 36064.7969 | 41515.1992 | 0.0 |
| 26 | 13233.5977 | 14839.1992 | 16701.2930 | 20505.5977 | 25452.0000 | 28612.7969 | 31960.7969 | 36064.7969 | 41515.1992 | 0.0 |
| 27 | 13233.5977 | 14839.1992 | 16701.2930 | 20505.5977 | 25452.0000 | 28612.7969 | 31960.7969 | 36064.7969 | 41515.1992 | 0.0 |
| 28 | 13233.5977 | 14839.1992 | 16701.2930 | 20505.5977 | 25452.0000 | 28612.7969 | 31960.7969 | 36064.7969 | 41515.1992 | 0.0 |
| 29 | 13233.5977 | 14839.1992 | 16701.2930 | 20505.5977 | 25452.0000 | 28612.7969 | 31960.7969 | 36064.7969 | 41515.1992 | 0.0 |
| 30 | 13233.5977 | 14839.1992 | 16701.2930 | 20505.5977 | 25452.0000 | 28612.7969 | 31960.7969 | 36064.7969 | 41515.1992 | 0.0 |
| 31 | 13233.5977 | 14839.1992 | 16701.2930 | 20505.5977 | 25452.0000 | 28612.7969 | 31960.7969 | 36064.7969 | 41515.1992 | 0.0 |
| 32 | 13233.5977 | 14839.1992 | 16701.2930 | 20505.5977 | 25452.0000 | 28612.7969 | 31960.7969 | 36064.7969 | 41515.1992 | 0.0 |
| 33 | 13233.5977 | 14839.1992 | 16701.2930 | 20505.5977 | 25452.0000 | 28612.7969 | 31960.7969 | 36064.7969 | 41515.1992 | 0.0 |
| 34 | 13233.5977 | 14839.1992 | 16701.2930 | 20505.5977 | 25452.0000 | 28612.7969 | 31960.7969 | 36064.7969 | 41515.1992 | 0.0 |
| 35 | 13233.5977 | 14839.1992 | 16701.2930 | 20505.5977 | 25452.0000 | 28612.7969 | 31960.7969 | 36064.7969 | 41515.1992 | 0.0 |

FILE NUMBER = 777
TITLE=CF--TOTAL VIA, USMC ENLISTED (CORRECTED)

| YOS | GRD 01 | GRD 02 | GRD 03 | GRD 04 | GRD 05 | GRD 06 | GRD 07 | GRD 08 | GRD 09 | GRD 10 |
|-----|--------|--------|---------|---------|---------|---------|---------|---------|---------|--------|
| 1 | 2.9700 | 5.8800 | 14.0200 | 20.1900 | 37.5400 | 57.2600 | 68.3600 | 78.9500 | 85.4900 | 0.0 |
| 2 | 2.9700 | 5.8800 | 14.0200 | 20.1900 | 37.5400 | 57.2600 | 68.3600 | 78.9500 | 85.4900 | 0.0 |
| 3 | 2.9700 | 5.8800 | 14.0200 | 20.1900 | 37.5400 | 57.2600 | 68.3600 | 78.9500 | 85.4900 | 0.0 |
| 4 | 2.9700 | 5.8800 | 14.0200 | 20.1900 | 37.5400 | 57.2600 | 68.3600 | 78.9500 | 85.4900 | 0.0 |
| 5 | 2.9700 | 5.8800 | 14.0200 | 20.1900 | 37.5400 | 57.2600 | 68.3600 | 78.9500 | 85.4900 | 0.0 |
| 6 | 2.9700 | 5.8800 | 14.0200 | 20.1900 | 37.5400 | 57.2600 | 68.3600 | 78.9500 | 85.4900 | 0.0 |
| 7 | 2.9700 | 5.8800 | 14.0200 | 20.1900 | 37.5400 | 57.2600 | 68.3600 | 78.9500 | 85.4900 | 0.0 |
| 8 | 2.9700 | 5.8800 | 14.0200 | 20.1900 | 37.5400 | 57.2600 | 68.3600 | 78.9500 | 85.4900 | 0.0 |
| 9 | 2.9700 | 5.8800 | 14.0200 | 20.1900 | 37.5400 | 57.2600 | 68.3600 | 78.9500 | 85.4900 | 0.0 |
| 10 | 2.9700 | 5.8800 | 14.0200 | 20.1900 | 37.5400 | 57.2600 | 68.3600 | 78.9500 | 85.4900 | 0.0 |
| 11 | 2.9700 | 5.8800 | 14.0200 | 20.1900 | 37.5400 | 57.2600 | 68.3600 | 78.9500 | 85.4900 | 0.0 |
| 12 | 2.9700 | 5.8800 | 14.0200 | 20.1900 | 37.5400 | 57.2600 | 68.3600 | 78.9500 | 85.4900 | 0.0 |
| 13 | 2.9700 | 5.8800 | 14.0200 | 20.1900 | 37.5400 | 57.2600 | 68.3600 | 78.9500 | 85.4900 | 0.0 |
| 14 | 2.9700 | 5.8800 | 14.0200 | 20.1900 | 37.5400 | 57.2600 | 68.3600 | 78.9500 | 85.4900 | 0.0 |
| 15 | 2.9700 | 5.8800 | 14.0200 | 20.1900 | 37.5400 | 57.2600 | 68.3600 | 78.9500 | 85.4900 | 0.0 |
| 16 | 2.9700 | 5.8800 | 14.0200 | 20.1900 | 37.5400 | 57.2600 | 68.3600 | 78.9500 | 85.4900 | 0.0 |
| 17 | 2.9700 | 5.8800 | 14.0200 | 20.1900 | 37.5400 | 57.2600 | 68.3600 | 78.9500 | 85.4900 | 0.0 |
| 18 | 2.9700 | 5.8800 | 14.0200 | 20.1900 | 37.5400 | 57.2600 | 68.3600 | 78.9500 | 85.4900 | 0.0 |
| 19 | 2.9700 | 5.8800 | 14.0200 | 20.1900 | 37.5400 | 57.2600 | 68.3600 | 78.9500 | 85.4900 | 0.0 |
| 20 | 2.9700 | 5.8800 | 14.0200 | 20.1900 | 37.5400 | 57.2600 | 68.3600 | 78.9500 | 85.4900 | 0.0 |
| 21 | 2.9700 | 5.8800 | 14.0200 | 20.1900 | 37.5400 | 57.2600 | 68.3600 | 78.9500 | 85.4900 | 0.0 |
| 22 | 2.9700 | 5.8800 | 14.0200 | 20.1900 | 37.5400 | 57.2600 | 68.3600 | 78.9500 | 85.4900 | 0.0 |
| 23 | 2.9700 | 5.8800 | 14.0200 | 20.1900 | 37.5400 | 57.2600 | 68.3600 | 78.9500 | 85.4900 | 0.0 |
| 24 | 2.9700 | 5.8800 | 14.0200 | 20.1900 | 37.5400 | 57.2600 | 68.3600 | 78.9500 | 85.4900 | 0.0 |
| 25 | 2.9700 | 5.8800 | 14.0200 | 20.1900 | 37.5400 | 57.2600 | 68.3600 | 78.9500 | 85.4900 | 0.0 |
| 26 | 2.9700 | 5.8800 | 14.0200 | 20.1900 | 37.5400 | 57.2600 | 68.3600 | 78.9500 | 85.4900 | 0.0 |
| 27 | 2.9700 | 5.8800 | 14.0200 | 20.1900 | 37.5400 | 57.2600 | 68.3600 | 78.9500 | 85.4900 | 0.0 |
| 28 | 2.9700 | 5.8800 | 14.0200 | 20.1900 | 37.5400 | 57.2600 | 68.3600 | 78.9500 | 85.4900 | 0.0 |
| 29 | 2.9700 | 5.8800 | 14.0200 | 20.1900 | 37.5400 | 57.2600 | 68.3600 | 78.9500 | 85.4900 | 0.0 |
| 30 | 2.9700 | 5.8800 | 14.0200 | 20.1900 | 37.5400 | 57.2600 | 68.3600 | 78.9500 | 85.4900 | 0.0 |
| 31 | 2.9700 | 5.8800 | 14.0200 | 20.1900 | 37.5400 | 57.2600 | 68.3600 | 78.9500 | 85.4900 | 0.0 |
| 32 | 2.9700 | 5.8800 | 14.0200 | 20.1900 | 37.5400 | 57.2600 | 68.3600 | 78.9500 | 85.4900 | 0.0 |
| 33 | 2.9700 | 5.8800 | 14.0200 | 20.1900 | 37.5400 | 57.2600 | 68.3600 | 78.9500 | 85.4900 | 0.0 |
| 34 | 2.9700 | 5.8800 | 14.0200 | 20.1900 | 37.5400 | 57.2600 | 68.3600 | 78.9500 | 85.4900 | 0.0 |
| 35 | 2.9700 | 5.8800 | 14.0200 | 20.1900 | 37.5400 | 57.2600 | 68.3600 | 78.9500 | 85.4900 | 0.0 |

H-294

FILE NUMBER = 788

TITLE=CF--OFF DISABILITY RETIRED PAY CURRENT SYSTEM HIGH-0 57% MINIMUM

| YOS | GRD 01 | GRD 02 | GRD 03 | GRD 04 | GRD 05 | GRD 06 | GRD 07 | GRD 08 | GRD 09 | GRD 10 |
|-----|------------|------------|------------|------------|------------|------------|------------|------------|------------|-------------|
| 1 | 331165.437 | 381470.187 | 437511.125 | 470797.000 | 558525.062 | 698335.625 | 942143.875 | 1133864.00 | 1251867.00 | 1308848.00 |
| 2 | 326008.625 | 375530.250 | 430698.187 | 463465.812 | 549827.937 | 687461.375 | 927475.250 | 1116209.00 | 1232378.00 | 1288472.00 |
| 3 | 333935.750 | 403620.062 | 473850.750 | 55285.500 | 743375.437 | 974830.750 | 1131375.00 | 1244549.00 | 1267959.00 | 12747317.00 |
| 4 | 397048.625 | 476978.187 | 498304.937 | 582804.625 | 658192.562 | 779034.562 | 958960.375 | 1139338.00 | 1247317.00 | 1247317.00 |
| 5 | 390435.625 | 484806.687 | 542169.437 | 573097.625 | 657063.875 | 766059.062 | 942988.437 | 1120360.00 | 1226542.00 | 1226542.00 |
| 6 | 393780.750 | 476543.000 | 532528.187 | 563329.312 | 645866.437 | 753000.000 | 926916.562 | 1101266.00 | 1205634.00 | 1205634.00 |
| 7 | 377083.062 | 478013.062 | 548647.437 | 563625.312 | 634600.000 | 739858.625 | 951502.437 | 1082005.00 | 1184593.00 | 1184593.00 |
| 8 | 370343.062 | 469669.250 | 536841.125 | 553550.875 | 623257.187 | 726636.687 | 934498.250 | 1062705.00 | 1163420.00 | 1163420.00 |
| 9 | 363560.000 | 460870.875 | 546089.187 | 567535.000 | 611842.000 | 713328.812 | 917380.250 | 1121028.00 | 1142114.00 | 1142114.00 |
| 10 | 356733.812 | 452217.250 | 537798.375 | 556878.937 | 600353.812 | 699934.250 | 900155.750 | 1099975.00 | 1120668.00 | 1120668.00 |
| 11 | 349864.187 | 443509.062 | 555788.187 | 583344.812 | 606716.875 | 686456.812 | 934064.937 | 1078794.00 | 1099087.00 | 1099087.00 |
| 12 | 342949.937 | 434784.187 | 544804.437 | 571816.312 | 594726.312 | 672889.625 | 915604.250 | 1057474.00 | 1077367.00 | 1077367.00 |
| 13 | 335992.375 | 425924.375 | 560216.062 | 591760.437 | 613902.250 | 659239.500 | 897033.000 | 1055510.00 | 1055510.00 | 1055510.00 |
| 14 | 329057.562 | 417133.625 | 548653.000 | 579546.437 | 601231.312 | 645635.437 | 878514.937 | 1033727.12 | 1033727.12 | 1033727.12 |
| 15 | 322109.250 | 408324.875 | 550298.062 | 593260.750 | 627936.250 | 653444.500 | 902855.062 | 1011897.12 | 1011897.12 | 1011897.12 |
| 16 | 315179.062 | 399340.312 | 538458.875 | 580896.937 | 614426.375 | 639393.375 | 883431.000 | 990125.250 | 990125.250 | 990125.250 |
| 17 | 308201.312 | 390694.750 | 526537.687 | 592476.687 | 645821.625 | 724203.687 | 950328.500 | 968205.875 | 968205.875 | 968205.875 |
| 18 | 301205.875 | 381827.187 | 514586.750 | 579029.250 | 631167.812 | 707767.875 | 928758.937 | 946228.375 | 946228.375 | 946228.375 |
| 19 | 294191.562 | 372935.187 | 502603.062 | 581214.000 | 651850.125 | 726606.625 | 924193.562 | 924193.562 | 924193.562 | 924193.562 |
| 20 | 287157.187 | 364017.812 | 490585.375 | 567316.375 | 636270.625 | 709233.250 | 902094.000 | 902094.000 | 902094.000 | 902094.000 |
| 21 | 280129.125 | 355108.687 | 478578.375 | 553431.900 | 639411.500 | 705857.937 | 886016.562 | 886016.562 | 886016.562 | 886016.562 |
| 22 | 273105.062 | 346204.687 | 466578.500 | 539555.000 | 623378.937 | 689133.750 | 857953.687 | 857953.687 | 857953.687 | 857953.687 |
| 23 | 268416.125 | 340260.500 | 458567.812 | 530291.062 | 634120.312 | 716617.062 | 843222.812 | 843222.812 | 843222.812 | 843222.812 |
| 24 | 272719.312 | 345715.750 | 465919.625 | 538793.000 | 644284.375 | 728106.375 | 856739.000 | 856739.000 | 856739.000 | 856739.000 |
| 25 | 276431.562 | 350421.900 | 472261.562 | 546126.687 | 653051.250 | 738015.375 | 868400.312 | 868400.312 | 868400.312 | 868400.312 |
| 26 | 279550.750 | 354375.375 | 477590.062 | 552288.625 | 660419.750 | 746346.062 | 878198.750 | 878198.750 | 878198.750 | 878198.750 |
| 27 | 282102.750 | 357610.437 | 481950.000 | 557330.625 | 666447.000 | 751821.437 | 886217.875 | 886217.875 | 886217.875 | 886217.875 |
| 28 | 284086.625 | 360125.437 | 485339.375 | 561250.062 | 671133.687 | 756566.062 | 892450.375 | 892450.375 | 892450.375 | 892450.375 |
| 29 | 285499.375 | 361916.437 | 487753.187 | 564041.312 | 674470.500 | 760557.937 | 896891.250 | 896891.250 | 896891.250 | 896891.250 |
| 30 | 286367.500 | 363016.687 | 489236.187 | 565756.250 | 676521.937 | 762173.312 | 899615.937 | 899615.937 | 899615.937 | 899615.937 |
| 31 | 277439.687 | 351699.750 | 473964.000 | 548118.625 | 655432.062 | 750321.187 | 871569.812 | 871569.812 | 871569.812 | 871569.812 |
| 32 | 268579.812 | 340468.187 | 458847.437 | 530614.437 | 634507.000 | 777669.375 | 843736.437 | 843736.437 | 843736.437 | 843736.437 |
| 33 | 259778.437 | 329310.812 | 443810.687 | 513225.937 | 613714.000 | 752182.250 | 816089.687 | 816089.687 | 816089.687 | 816089.687 |
| 34 | 251025.500 | 318215.187 | 428856.875 | 495933.375 | 593035.562 | 726640.062 | 788591.000 | 788591.000 | 788591.000 | 788591.000 |
| 35 | 242361.000 | 307231.687 | 414054.812 | 478816.000 | 572566.562 | 701752.312 | 761371.187 | 761371.187 | 761371.187 | 761371.187 |

FILE NUMBER = 790
TITLE=CF--ENL DISABILITY RETIRED PAY CURRENT SYSTEM HIGH-0 57% MINIMUM

| YOS | GRD 01 | GRD 02 | GRD 03 | GRD 04 | GRD 05 | GRD 06 | GRD 07 | GRD 08 | GRD 09 | GRD 10 |
|-----|------------|------------|------------|------------|------------|------------|------------|------------|------------|--------|
| 1 | 171094.375 | 191853.000 | 199393.062 | 211680.562 | 226946.937 | 258503.875 | 300579.812 | 430530.750 | 513192.750 | 0.0 |
| 2 | 168579.937 | 189033.312 | 196462.812 | 208569.875 | 223611.687 | 254704.875 | 296162.500 | 424203.625 | 505650.937 | 0.0 |
| 3 | 166046.562 | 186192.937 | 204080.312 | 216909.000 | 239765.500 | 273553.187 | 314839.437 | 417829.187 | 498052.437 | 0.0 |
| 4 | 163494.375 | 183330.812 | 209038.312 | 226028.375 | 247466.187 | 280645.625 | 321564.000 | 411407.000 | 490397.125 | 0.0 |
| 5 | 160923.125 | 180447.375 | 213893.187 | 235909.125 | 254168.062 | 287876.187 | 327450.875 | 404936.437 | 482684.250 | 0.0 |
| 6 | 158332.250 | 177542.500 | 210449.687 | 235948.437 | 250076.000 | 283241.812 | 322179.312 | 398417.125 | 474913.625 | 0.0 |
| 7 | 155722.437 | 174615.687 | 206980.562 | 241293.937 | 262051.500 | 288909.187 | 327797.750 | 351849.687 | 467085.000 | 0.0 |
| 8 | 153093.187 | 171667.887 | 203485.875 | 237220.062 | 257627.250 | 284031.437 | 322633.500 | 355233.812 | 459198.812 | 0.0 |
| 9 | 150443.750 | 168696.812 | 199964.562 | 231114.687 | 263482.312 | 289347.625 | 326672.500 | 378567.000 | 451252.187 | 0.0 |
| 10 | 147774.750 | 165704.187 | 196416.937 | 228979.312 | 258807.812 | 284214.625 | 320877.250 | 371851.125 | 443247.000 | 0.0 |
| 11 | 145085.937 | 162689.062 | 192843.062 | 224812.750 | 264281.500 | 289225.812 | 325221.625 | 375373.375 | 435181.500 | 0.0 |
| 12 | 142376.875 | 159651.062 | 189242.312 | 220615.062 | 259346.875 | 283825.500 | 319149.125 | 368364.375 | 427056.062 | 0.0 |
| 13 | 139647.437 | 156590.625 | 185614.312 | 216385.500 | 263720.500 | 292744.375 | 322679.812 | 370850.437 | 428366.250 | 0.0 |
| 14 | 136897.687 | 153507.250 | 181959.437 | 212125.125 | 258527.687 | 286980.187 | 316326.250 | 363548.375 | 419931.687 | 0.0 |
| 15 | 134127.562 | 150401.125 | 178277.500 | 207832.750 | 257966.687 | 290003.250 | 323936.562 | 365532.437 | 420775.062 | 0.0 |
| 16 | 131336.312 | 147270.875 | 174567.625 | 203507.500 | 252598.250 | 283967.812 | 317195.187 | 357925.562 | 412018.375 | 0.0 |
| 17 | 128524.375 | 144118.125 | 170830.125 | 199150.812 | 247190.562 | 286859.125 | 319215.375 | 359423.375 | 412497.937 | 0.0 |
| 18 | 125691.062 | 140941.187 | 167064.312 | 194760.562 | 241741.375 | 280516.250 | 312178.625 | 351500.375 | 403404.875 | 0.0 |
| 19 | 122837.125 | 137740.750 | 163270.937 | 190337.875 | 236252.125 | 278289.812 | 313711.250 | 351471.625 | 402999.375 | 0.0 |
| 20 | 119961.812 | 134516.500 | 159448.812 | 185882.562 | 230722.062 | 271775.500 | 306367.937 | 343244.375 | 393566.250 | 0.0 |
| 21 | 117064.687 | 131267.937 | 155598.125 | 181393.562 | 225149.875 | 265212.250 | 302854.187 | 343171.187 | 391513.375 | 0.0 |
| 22 | 114145.750 | 127995.062 | 151718.687 | 176804.562 | 219536.187 | 258599.500 | 295302.937 | 334614.875 | 381751.875 | 0.0 |
| 23 | 112192.250 | 124804.375 | 149122.187 | 173843.812 | 215779.062 | 254174.000 | 291721.062 | 348238.250 | 394995.875 | 0.0 |
| 24 | 113986.812 | 127916.625 | 151507.187 | 176624.187 | 219230.187 | 282239.000 | 314674.750 | 353807.750 | 401313.125 | 0.0 |
| 25 | 115522.812 | 129539.125 | 153549.062 | 179004.500 | 222184.625 | 267119.312 | 318915.500 | 358575.937 | 406721.562 | 0.0 |
| 26 | 116822.937 | 130997.062 | 155277.250 | 181019.062 | 224685.250 | 264664.625 | 322504.812 | 362611.625 | 411298.812 | 0.0 |
| 27 | 117898.750 | 132203.312 | 156707.062 | 182686.250 | 226754.062 | 267101.875 | 365950.750 | 406747.437 | 455434.125 | 0.0 |
| 28 | 118750.750 | 133158.625 | 157839.437 | 184008.000 | 228392.937 | 269032.125 | 368995.000 | 409686.812 | 458725.437 | 0.0 |
| 29 | 119378.937 | 133863.062 | 158674.312 | 184979.562 | 229600.562 | 270454.937 | 370344.625 | 411853.500 | 461751.250 | 0.0 |
| 30 | 119794.312 | 134329.000 | 159226.750 | 185623.562 | 230400.125 | 271396.562 | 371834.625 | 413287.500 | 462757.000 | 0.0 |
| 31 | 116126.000 | 130215.375 | 154340.625 | 179939.000 | 223344.625 | 263085.562 | 360947.875 | 400631.000 | 448285.687 | 0.0 |
| 32 | 112509.187 | 126159.937 | 149543.437 | 174335.000 | 216388.750 | 254892.125 | 349222.062 | 388153.875 | 434615.000 | 0.0 |
| 33 | 108961.875 | 122181.937 | 144828.000 | 168837.937 | 209565.625 | 246854.687 | 338210.562 | 375914.625 | 420911.000 | 0.0 |
| 34 | 105487.812 | 118286.625 | 140210.875 | 163455.062 | 202884.187 | 238984.750 | 327427.625 | 363929.875 | 407491.375 | 0.0 |
| 35 | 102091.750 | 114479.312 | 135696.687 | 158192.687 | 196352.375 | 231290.500 | 316886.312 | 352213.250 | 394372.187 | 0.0 |

FILE NUMBER = 794
TITLE=CF--OFF NOIS--CURRENT SYSTEM, TERM PAY, USING MY

| YOS | GRD 01 | GRD 02 | GRD 03 | GRD 04 | GRD 05 | GRD 06 | GRD 07 | GRD 08 | GRD 09 | GRD 10 |
|-----|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| 1 | 251891.937 | 319313.625 | 430337.812 | 497645.812 | 558131.812 | 622142.500 | 701312.125 | 791312.125 | 791312.125 | 791312.125 |
| 2 | 251891.937 | 319313.625 | 430337.812 | 497645.812 | 558131.812 | 622142.500 | 791312.125 | 791312.125 | 791312.125 | 791312.125 |
| 3 | 251891.937 | 319313.625 | 430337.812 | 497645.812 | 558131.812 | 622142.500 | 791312.125 | 791312.125 | 791312.125 | 791312.125 |
| 4 | 251891.937 | 319313.625 | 430337.812 | 497645.812 | 558131.812 | 622142.500 | 791312.125 | 791312.125 | 791312.125 | 791312.125 |
| 5 | 251891.937 | 319313.625 | 430337.812 | 497645.812 | 558131.812 | 622142.500 | 791312.125 | 791312.125 | 791312.125 | 791312.125 |
| 6 | 251891.937 | 319313.625 | 430337.812 | 497645.812 | 558131.812 | 622142.500 | 791312.125 | 791312.125 | 791312.125 | 791312.125 |
| 7 | 251891.937 | 319313.625 | 430337.812 | 497645.812 | 558131.812 | 622142.500 | 791312.125 | 791312.125 | 791312.125 | 791312.125 |
| 8 | 251891.937 | 319313.625 | 430337.812 | 497645.812 | 558131.812 | 622142.500 | 791312.125 | 791312.125 | 791312.125 | 791312.125 |
| 9 | 251891.937 | 319313.625 | 430337.812 | 497645.812 | 558131.812 | 622142.500 | 791312.125 | 791312.125 | 791312.125 | 791312.125 |
| 10 | 251891.937 | 319313.625 | 430337.812 | 497645.812 | 558131.812 | 622142.500 | 791312.125 | 791312.125 | 791312.125 | 791312.125 |
| 11 | 251891.937 | 319313.625 | 430337.812 | 497645.812 | 558131.812 | 622142.500 | 791312.125 | 791312.125 | 791312.125 | 791312.125 |
| 12 | 251891.937 | 319313.625 | 430337.812 | 497645.812 | 558131.812 | 622142.500 | 791312.125 | 791312.125 | 791312.125 | 791312.125 |
| 13 | 251891.937 | 319313.625 | 430337.812 | 497645.812 | 558131.812 | 622142.500 | 791312.125 | 791312.125 | 791312.125 | 791312.125 |
| 14 | 251891.937 | 319313.625 | 430337.812 | 497645.812 | 558131.812 | 622142.500 | 791312.125 | 791312.125 | 791312.125 | 791312.125 |
| 15 | 251891.937 | 319313.625 | 430337.812 | 497645.812 | 558131.812 | 622142.500 | 791312.125 | 791312.125 | 791312.125 | 791312.125 |
| 16 | 251891.937 | 319313.625 | 430337.812 | 497645.812 | 558131.812 | 622142.500 | 791312.125 | 791312.125 | 791312.125 | 791312.125 |
| 17 | 251891.937 | 319313.625 | 430337.812 | 497645.812 | 558131.812 | 622142.500 | 791312.125 | 791312.125 | 791312.125 | 791312.125 |
| 18 | 251891.937 | 319313.625 | 430337.812 | 497645.812 | 558131.812 | 622142.500 | 791312.125 | 791312.125 | 791312.125 | 791312.125 |
| 19 | 251891.937 | 319313.625 | 430337.812 | 497645.812 | 558131.812 | 622142.500 | 791312.125 | 791312.125 | 791312.125 | 791312.125 |
| 20 | 251891.937 | 319313.625 | 430337.812 | 497645.812 | 558131.812 | 622142.500 | 791312.125 | 791312.125 | 791312.125 | 791312.125 |
| 21 | 258013.437 | 327073.500 | 440795.750 | 509739.562 | 588931.562 | 651056.937 | 810544.687 | 810544.687 | 810544.687 | 810544.687 |
| 22 | 263522.375 | 334057.062 | 450207.375 | 520623.062 | 601505.937 | 661956.500 | 827846.812 | 827846.812 | 827846.812 | 827846.812 |
| 23 | 268416.125 | 340260.500 | 458567.812 | 530291.062 | 634120.312 | 716617.062 | 843222.812 | 843222.812 | 843222.812 | 843222.812 |
| 24 | 272719.312 | 345715.750 | 465919.625 | 538793.000 | 644284.375 | 728106.375 | 856739.000 | 856739.000 | 856739.000 | 856739.000 |
| 25 | 276431.562 | 350421.500 | 472261.562 | 546126.687 | 653051.250 | 746346.062 | 868400.312 | 868400.312 | 868400.312 | 868400.312 |
| 26 | 279550.562 | 354375.375 | 477590.062 | 552288.625 | 660415.750 | 764346.062 | 878198.750 | 878198.750 | 878198.750 | 878198.750 |
| 27 | 282102.750 | 357610.437 | 481950.000 | 557330.625 | 666447.000 | 816821.437 | 886217.875 | 886217.875 | 886217.875 | 886217.875 |
| 28 | 284086.625 | 360125.437 | 485339.375 | 561250.062 | 671133.687 | 822566.062 | 892450.375 | 892450.375 | 892450.375 | 892450.375 |
| 29 | 285499.375 | 361916.437 | 487753.187 | 564041.312 | 674470.500 | 826657.937 | 896891.250 | 896891.250 | 896891.250 | 896891.250 |
| 30 | 286367.500 | 363016.687 | 489236.187 | 565756.250 | 676521.937 | 829173.312 | 899615.937 | 899615.937 | 899615.937 | 899615.937 |
| 31 | 277439.687 | 351699.750 | 473981.000 | 548118.625 | 655432.062 | 803321.187 | 871569.812 | 871569.812 | 871569.812 | 871569.812 |
| 32 | 268579.812 | 340468.187 | 458847.437 | 530614.437 | 634507.000 | 777669.375 | 843736.437 | 843736.437 | 843736.437 | 843736.437 |
| 33 | 259778.437 | 329310.812 | 443810.687 | 513225.937 | 613714.000 | 752182.250 | 816089.687 | 816089.687 | 816089.687 | 816089.687 |
| 34 | 251025.500 | 318215.187 | 428856.875 | 499333.375 | 593035.562 | 726840.062 | 788591.000 | 788591.000 | 788591.000 | 788591.000 |
| 35 | 242361.000 | 307231.687 | 414054.812 | 478816.000 | 572566.562 | 701752.312 | 761371.187 | 761371.187 | 761371.187 | 761371.187 |

FILE NUMBER = 796
TITLE=CF--ENL NDIS--CURRENT SYSTEM, TERM PAY, USING MY

| YOS | GRD 01 | GRD 02 | GRD 03 | GRD 04 | GRD 05 | GRD 06 | GRD 07 | GRD 08 | GRD 09 | GRD 10 |
|-----|------------|------------|------------|------------|------------|------------|------------|------------|------------|--------|
| 1 | 105229.375 | 117996.937 | 139867.187 | 163054.625 | 202387.500 | 238399.500 | 268743.625 | 301091.312 | 345233.187 | 0.0 |
| 2 | 105229.375 | 117996.937 | 139867.187 | 163054.625 | 202387.500 | 238399.500 | 268743.625 | 301091.312 | 345233.187 | 0.0 |
| 3 | 105229.375 | 117996.937 | 139867.187 | 163054.625 | 202387.500 | 238399.500 | 268743.625 | 301091.312 | 345233.187 | 0.0 |
| 4 | 105229.375 | 117996.937 | 139867.187 | 163054.625 | 202387.500 | 238399.500 | 268743.625 | 301091.312 | 345233.187 | 0.0 |
| 5 | 105229.375 | 117996.937 | 139867.187 | 163054.625 | 202387.500 | 238399.500 | 268743.625 | 301091.312 | 345233.187 | 0.0 |
| 6 | 105229.375 | 117996.937 | 139867.187 | 163054.625 | 202387.500 | 238399.500 | 268743.625 | 301091.312 | 345233.187 | 0.0 |
| 7 | 105229.375 | 117996.937 | 139867.187 | 163054.625 | 202387.500 | 238399.500 | 268743.625 | 301091.312 | 345233.187 | 0.0 |
| 8 | 105229.375 | 117996.937 | 139867.187 | 163054.625 | 202387.500 | 238399.500 | 268743.625 | 301091.312 | 345233.187 | 0.0 |
| 9 | 105229.375 | 117996.937 | 139867.187 | 163054.625 | 202387.500 | 238399.500 | 268743.625 | 301091.312 | 345233.187 | 0.0 |
| 10 | 105229.375 | 117996.937 | 139867.187 | 163054.625 | 202387.500 | 238399.500 | 268743.625 | 301091.312 | 345233.187 | 0.0 |
| 11 | 105229.375 | 117996.937 | 139867.187 | 163054.625 | 202387.500 | 238399.500 | 268743.625 | 301091.312 | 345233.187 | 0.0 |
| 12 | 105229.375 | 117996.937 | 139867.187 | 163054.625 | 202387.500 | 238399.500 | 268743.625 | 301091.312 | 345233.187 | 0.0 |
| 13 | 105229.375 | 117996.937 | 139867.187 | 163054.625 | 202387.500 | 238399.500 | 268743.625 | 301091.312 | 345233.187 | 0.0 |
| 14 | 105229.375 | 117996.937 | 139867.187 | 163054.625 | 202387.500 | 238399.500 | 268743.625 | 301091.312 | 345233.187 | 0.0 |
| 15 | 105229.375 | 117996.937 | 139867.187 | 163054.625 | 202387.500 | 238399.500 | 268743.625 | 301091.312 | 345233.187 | 0.0 |
| 16 | 105229.375 | 117996.937 | 139867.187 | 163054.625 | 202387.500 | 238399.500 | 268743.625 | 301091.312 | 345233.187 | 0.0 |
| 17 | 105229.375 | 117996.937 | 139867.187 | 163054.625 | 202387.500 | 238399.500 | 268743.625 | 301091.312 | 345233.187 | 0.0 |
| 18 | 105229.375 | 117996.937 | 139867.187 | 163054.625 | 202387.500 | 238399.500 | 268743.625 | 301091.312 | 345233.187 | 0.0 |
| 19 | 105229.375 | 117996.937 | 139867.187 | 163054.625 | 202387.500 | 238399.500 | 268743.625 | 301091.312 | 345233.187 | 0.0 |
| 20 | 105229.375 | 117996.937 | 139867.187 | 163054.625 | 202387.500 | 238399.500 | 268743.625 | 301091.312 | 345233.187 | 0.0 |
| 21 | 107822.562 | 120904.750 | 143314.062 | 167073.000 | 207374.750 | 244274.187 | 278944.375 | 316078.625 | 360604.437 | 0.0 |
| 22 | 110140.562 | 123503.875 | 146395.125 | 170664.750 | 211833.125 | 249525.812 | 284941.687 | 322873.937 | 368357.062 | 0.0 |
| 23 | 112192.250 | 125804.375 | 149122.187 | 173843.812 | 215779.062 | 254174.000 | 297121.062 | 348238.250 | 394995.875 | 0.0 |
| 24 | 113986.812 | 127816.625 | 151507.187 | 176624.187 | 219230.187 | 258239.000 | 314674.750 | 353807.750 | 401313.125 | 0.0 |
| 25 | 115522.812 | 129539.125 | 153549.062 | 179004.500 | 222184.625 | 261718.312 | 318915.500 | 358575.937 | 406721.562 | 0.0 |
| 26 | 116822.937 | 130997.062 | 155277.250 | 181019.062 | 224685.250 | 264664.625 | 322504.812 | 362611.625 | 411298.812 | 0.0 |
| 27 | 117898.750 | 132203.312 | 156707.062 | 182686.250 | 226754.062 | 267101.875 | 325950.750 | 366747.437 | 415434.125 | 0.0 |
| 28 | 118750.750 | 133158.625 | 157839.437 | 184006.000 | 228392.937 | 269032.125 | 328595.000 | 369686.812 | 418725.437 | 0.0 |
| 29 | 119378.937 | 133863.062 | 158674.312 | 184979.562 | 229600.562 | 270454.937 | 330544.625 | 371834.625 | 421151.250 | 0.0 |
| 30 | 119794.312 | 134329.000 | 159226.750 | 185623.562 | 230400.125 | 271396.562 | 332504.812 | 373834.625 | 423287.500 | 0.0 |
| 31 | 116126.000 | 130215.375 | 154350.625 | 179939.000 | 223344.625 | 263085.562 | 360447.875 | 400631.000 | 448585.687 | 0.0 |
| 32 | 112509.187 | 126159.937 | 149543.437 | 174335.000 | 216388.750 | 254892.125 | 349222.062 | 388153.875 | 434615.000 | 0.0 |
| 33 | 108961.875 | 122181.937 | 144828.000 | 168837.937 | 209565.625 | 246894.587 | 336210.562 | 375914.625 | 420911.000 | 0.0 |
| 34 | 105487.812 | 118286.625 | 140210.875 | 163455.062 | 202884.187 | 238984.750 | 327427.625 | 363929.875 | 407491.775 | 0.0 |
| 35 | 102091.750 | 114478.312 | 135696.687 | 158192.687 | 196352.375 | 231290.500 | 316886.312 | 352213.250 | 394372.187 | 0.0 |

FILE: CFREPORT EXEC A
PAGE 001

VM/SP CONVERSATIONAL MONITOR SYSTEM

&CONTROL OFF
FILEDEF 2 PRINTER (RECFM FA LRECL 132 BLKSIZE 133 PERM
FILEDEF 6 TERMINAL (RECFM F LRECL 130 BLKSIZE 131 PERM
FILEDEF 30 DISK COST DATABASE A1 (XTENT 54001
CFREPORT
&EXIT

| | |
|---|----------|
| DIMENSION ITTLE(17),COST(35,10) | CFR00010 |
| C | CFR00020 |
| C **** THIS ROUTINE IS USED TO REPORT THE CONTENTS OF THE COST | CFR00030 |
| C **** FILE DATABASE | CFR00040 |
| C | CFR00050 |
| DEFINE FILE 30(54001,17,U,ID) | CFR00060 |
| ID=1 | CFR00070 |
| READ(30'ID) INUM | CFR00080 |
| C | CFR00090 |
| 150 CALL DISPL | CFR00100 |
| WRITE(6,101) INUM | CFR00110 |
| 101 FORMAT(1X,'COST DATABASE CURRENTLY CONTAINS ',15,' ACTIVE FILES') | CFR00120 |
| 50 CONTINUE | CFR00130 |
| C | CFR00140 |
| WRITE(6,102) | CFR00150 |
| 102 FORMAT(1X,'PLEASE ENTER REPORT OPTION DESIRED',/, | CFR00160 |
| 1 1X,'1=NAMES OF FILES',/, '2=CONTENTS OF FILES',/, | CFR00170 |
| 2 1X,'3=CONTENTS OF INDIVIDUAL FILE',/,1X,'4=FINISHED',/, | CFR00180 |
| 3 1X,'YOUR CHOICE??') | CFR00190 |
| READ(5,*) ICH | CFR00200 |
| IF(ICH.LT.1.OR.ICH.GT.4)GO TO 50 | CFR00210 |
| IF(ICH.EQ.4)GO TO 9000 | CFR00220 |
| 200 WRITE(6,119) | CFR00230 |
| 119 FORMAT(1X,'OUTPUT TO PRINTER OR TERMINAL? (0 OR 1)??') | CFR00240 |
| READ(5,*) INP | CFR00250 |
| IF(INP.LT.0.OR.INP.GT.1)GO TO 200 | CFR00260 |
| IO=(4*INP)+2 | CFR00270 |
| C | CFR00280 |
| GO TO (1000,2000,2000,9000),ICH | CFR00290 |
| C | CFR00300 |
| C **** REPORT NAMES OF ACTIVE FILES **** | CFR00310 |
| C | CFR00320 |
| 1000 CONTINUE | CFR00330 |
| 110 FORMAT(1H1,////////,' NAMES OF COST FILES',/, | CFR00340 |
| 1' NUMBER OF CURRENTLY ACTIVE FILES IS ',15,//) | CFR00350 |
| ID=-33 | CFR00360 |
| DO 1001 I=1,INUM | CFR00370 |
| READ(30'ID+35) ITTLE | CFR00380 |
| IF (MOD(I,50).EQ.1) WRITE(IO,110) INUM | CFR00390 |
| WRITE(IO,112) I,ITTLE | CFR00400 |
| 112 FORMAT(' FILE=',I4,' TITLE=',17A4) | CFR00410 |
| 1001 CONTINUE | CFR00420 |
| C | CFR00430 |
| WRITE(IO,116) | CFR00440 |
| 116 FORMAT(//,' **** END OF COST DATABASE NAME INDEX ****') | CFR00450 |
| GO TO 150 | CFR00460 |

| | | |
|---------|---|----------|
| C | | CFR00470 |
| C ***** | DUMP THE CONTENTS OF ACTIVE FILES ***** | CFR00480 |
| C | | CFR00490 |
| 2000 | WRITE(6,117) | CFR00500 |
| 117 | FORMAT(1X,' WHICH FILE TO BEGIN PRINTING FROM??') | CFR00510 |
| | READ(5,*) IB | CFR00520 |
| | ID=(IB*36)-34 | CFR00530 |
| | IE=INUM | CFR00540 |
| | IF(ICH.EQ.3) IE=IB | CFR00550 |
| | DO 2010 I=IB,IE | CFR00560 |
| | READ(30,ID) ITTLE | CFR00570 |
| | DO 2001 J=1,35 | CFR00580 |
| | READ(30,ID) (COST(J,K),K=1,10) | CFR00590 |
| 2001 | CONTINUE | CFR00600 |
| | WRITE(10,114) I,ITTLE | CFR00610 |
| 114 | FORMAT(1H1,//////////, ' FILE NUMBER =',I4,/,1X, | CFR00620 |
| | 1'TITLE=',17A4,/, | CFR00630 |
| | 1' YOS GRD 01 GRD 02 GRD 03 GRD 04', | CFR00640 |
| | 1' GRD 05', | CFR00650 |
| | 1' GRD 06 GRD 07 GRD 08 GRD 09 GRD 10',/) | CFR00660 |
| | DO 2002 IY=1,35 | CFR00670 |
| | WRITE(10,115) IY,(COST(IY,K),K=1,10) | CFR00680 |
| 115 | FORMAT(1X,I3,3X,10F12.4) | CFR00690 |
| 2002 | CONTINUE | CFR00700 |
| 2010 | CONTINUE | CFR00710 |
| C | | CFR00720 |
| | GO TO 150 | CFR00730 |
| 9000 | STOP | CFR00740 |
| | END | CFR00750 |

NAMES OF COST FILES
NUMBER OF CURRENTLY ACTIVE FILES IS 1115

1 FILE= 1 TITLE=ENTITLEMENT; 100%(ALL 1-3)
2 FILE= 2 TITLE=CF--BASIC PAY, OFFICER, 1 OCT 1981, CAPPED AT \$4176.00
3 FILE= 3 TITLE=CF--BASIC PAY, ENLISTED, 1 OCT 1981, E-8/9 GRADES FILLED IN
4 FILE= 4 TITLE=CF--BASIC PAY, WARRANT, 1 OCT 1981
5 FILE= 5 TITLE=CF--BAS, OFFICER & WARRANT, OCT 81
6 FILE= 6 TITLE=CF--BAS, ARMY ENLISTED, OCT 81 (\$108.42/MO)
7 FILE= 7 TITLE=ENT--BAQ W/DEP, ARMY OFFICERS, FY82
8 FILE= 8 TITLE=ENT--BAQ W/DEP, ARMY ENLISTED, FY82
9 FILE= 9 TITLE=ENT--BAQ W/DEP, ARMY WARRANT, FY82
10 FILE= 10 TITLE=CF--BAQ W/DEP, OFFICER, OCT 81
11 FILE= 11 TITLE=CF--BAQ W/DEP, ENLISTED, OCT 81
12 FILE= 12 TITLE=CF--BAQ W/DEP, WARRANT, OCT 81
13 FILE= 13 TITLE=ENT--BAQ W/O DEP, ARMY OFFICERS, FY82
14 FILE= 14 TITLE=ENT--BAQ W/O DEP, ARMY ENLISTED, FY82
15 FILE= 15 TITLE=ENT--BAQ W/O DEP, ARMY WARRANT, FY82
16 FILE= 16 TITLE=CF--BAQ W/O DEP, OFFICER, OCT 81
17 FILE= 17 TITLE=CF--BAQ W/O DEP, ENLISTED, OCT 81
18 FILE= 18 TITLE=CF--BAQ W/O DEP, WARRANT, OCT 81
19 FILE= 19 TITLE=ENT--BAQ PARTIAL, ARMY OFFICERS, FY82
20 FILE= 20 TITLE=ENT--BAQ PARTIAL, ARMY ENLISTED, FY82
21 FILE= 21 TITLE=ENT--BAQ PARTIAL, ARMY WARRANT, FY82
22 FILE= 22 TITLE=CF--BAQ PARTIAL, NAVY OFFICER, OCT 81
23 FILE= 23 TITLE=CF--BAQ PARTIAL, NAVY ENLISTED, OCT 81
24 FILE= 24 TITLE=CF--BAQ PARTIAL, NAVY WARRANT, OCT 81
25 FILE= 25 TITLE=ENT--BAQ INAD, ARMY OFFICERS, FY82
26 FILE= 26 TITLE=ENT--BAQ INAD, ARMY ENLISTED, FY82
27 FILE= 27 TITLE=ENT--BAQ INAD, ARMY WARRANT, FY82
28 FILE= 28 TITLE=CF--BAQ INAD, ARMY OFFICER, OCT 81
29 FILE= 29 TITLE=CF--BAQ INAD, ARMY ENLISTED, OCT 81
30 FILE= 30 TITLE=CF--BAQ INAD, ARMY WARRANT, OCT 81
31 FILE= 31 TITLE=CF--TOTAL BAQ, ARMY OFFICERS, FY82 (INCL BAQ W/DEP BAQ W/O DEP, PARTIAL
32 FILE= 32 TITLE=CF--TOTAL BAQ, ARMY ENLISTED, FY82 (INCL BAQ W/DEP BAQ W/O DEP, PARTIAL
33 FILE= 33 TITLE=CF--TOTAL BAQ, ARMY WARRANT, FY82 (INCL BAQ W/DEP BAQ W/O DEP, PARTIAL
34 FILE= 34 TITLE=CF--MONTHLY FICA FOR OFFICERS, FY82
35 FILE= 35 TITLE=CF--FICA MONTHLY FOR ENLISTED, FY82
36 FILE= 36 TITLE=CF--FICA FOR WARRANTS, FY82
37 FILE= 37 TITLE=CF--TOTAL VIA, ARMY OFFICER, FY82
38 FILE= 38 TITLE=CF--TOTAL VIA, ARMY ENLISTED, FY82
39 FILE= 39 TITLE=CF--TOTAL VIA, ARMY WARRANT, FY82
40 FILE= 40 TITLE=ENT--CLOTHING MAINT ALLOWANCE, BASIC & STANDARD, ENLISTED, ALL SVCS
41 FILE= 41 TITLE=CF--ENLISTED CLOTHING MAINT ALLOWANCE, FY82 (MONTHLY)
42 FILE= 42 TITLE=ENT--FSA 1, ARMY OFFICER, FY82
43 FILE= 43 TITLE=ENT--FSA 1, ARMY ENLISTED, FY82
44 FILE= 44 TITLE=ENT--FSA 1, ARMY WARRANT, FY82
45 FILE= 45 TITLE=ENT--FSA 2, ARMY OFFICER, FY82
46 FILE= 46 TITLE=ENT--FSA 2, ARMY ENLISTED, FY82
47 FILE= 47 TITLE=ENT--FSA 2, ARMY WARRANT, FY82
48 FILE= 48 TITLE=CF--FSA 2, \$30/MONTH
49 FILE= 49 TITLE=CF--UNEMPLOYMENT PCS, ARMY OFFICER AND WARRANT, FY82
50 FILE= 50 TITLE=CF--SEPARATION PCS, ARMY OFFICER AND WARRANT, FY82

NAMES OF COST FILES
 NUMBER OF CURRENTLY ACTIVE FILES IS 1115

FILE= 51 TITLE=CF--SEPARATION PCS, ARMY ENLISTED, FY82
 FILE= 52 TITLE=CF--BURIAL ALLOWANCE \$2641, ALL, FY82
 FILE= 53 TITLE=CF--DEATH GRATUITY \$3000, ALL, FY82
 FILE= 54 TITLE=CF--TERMINAL LEAVE, ARMY OFFICER, FY82
 FILE= 55 TITLE=CF--TERMINAL LEAVE, ARMY ENLISTED, FY82
 FILE= 56 TITLE=CF--TERMINAL LEAVE, ARMY WARRANT, FY82
 FILE= 57 TITLE=CF--OFFICER SEPARATION PAY (10%*YOS*ANNUAL BASIC PAY, MAX=\$300000)
 FILE= 58 TITLE=CF--ENLISTED SEPARATION PAY (10%*YOS*ANNUAL BASIC PAY, MAX=\$300000)
 FILE= 59 TITLE=CF--WARRANT SEPARATION PAY (10%*YOS*ANNUAL BASIC PAY, MAX=\$300000)
 FILE= 60 TITLE=CF--OFFICER DISABILITY SEV. PAY (2*YOS*MONTHLY BASIC PAY, MAX=24 MON
 FILE= 61 TITLE=CF--ENLISTED DISABILITY SEV. PAY (2*YOS*MONTHLY BASIC PAY, MAX=24 MON
 FILE= 62 TITLE=CF--WARRANT DISABILITY SEV. PAY (2*YOS*MONTHLY BASIC PAY, MAX=24 MON
 FILE= 63 TITLE=CF--OFFICER DISABILITY RETIRED PAY, 5%COLA, 5.5%MG, OCT81BP
 FILE= 64 TITLE=CF--ENLISTED DISABILITY RETIRED PAY, 5%COLA, 5.5%MG, OCT81BP
 FILE= 65 TITLE=CF--WARRANT DISABILITY RETIRED PAY, 5%COLA, 5.5%MG, OCT81BP, EAGE=19
 FILE= 66 TITLE=CF--BAS, USAF ENLISTED, OCT 81 (\$119.44/MO)
 FILE= 67 TITLE=ENT--BAQ W/DEP, USAF OFFICER, FY82
 FILE= 68 TITLE=ENT--BAQ W/DEP, USAF ENLISTED, FY82
 FILE= 69 TITLE=ENT--BAQ W/O DEP, USAF OFFICER, FY82
 FILE= 70 TITLE=ENT--BAQ W/O DEP, USAF ENLISTED, FY82
 FILE= 71 TITLE=ENT--BAQ PARTIAL, USAF OFFICER, FY82
 FILE= 72 TITLE=ENT--BAQ PARTIAL, USAF ENLISTED, FY82
 FILE= 73 TITLE=ENT--BAQ INAD, USAF OFFICER, FY82
 FILE= 74 TITLE=ENT--BAQ INAD, USAF ENLISTED, FY82
 FILE= 75 TITLE=CF--BAQ INAD, USAF OFFICER, OCT 81
 FILE= 76 TITLE=CF--BAQ INAD, USAF ENLISTED, OCT 81
 FILE= 77 TITLE=CF--TOTAL BAQ, USAF OFFICERS, FY82 (INCL BAQ W/DEP, W/O DEP, PRTL, INAD)
 FILE= 78 TITLE=CF--TOTAL BAQ, USAF ENLISTED, FY82 (INCL W/DEP, W/O DEP, PRTL, INAD)
 FILE= 79 TITLE=CF--TOTAL VIA, USAF OFFICER, FY82
 FILE= 80 TITLE=CF--TOTAL VIA, USAF ENLISTED, FY82
 FILE= 81 TITLE=CF--MONTHLY CLOTHING MAINT ALLOWANCE, FY82, USAF ENLISTED
 FILE= 82 TITLE=ENT--FSA 1, USAF OFFICER, FY82
 FILE= 83 TITLE=ENT--FSA 1, USAF ENLISTED, FY82
 FILE= 84 TITLE=ENT--FSA 2, USAF OFFICER, FY82
 FILE= 85 TITLE=ENT--FSA 2, USAF ENLISTED, FY82
 FILE= 86 TITLE=CF--SEPARATION PCS, USAF OFFICER, FY82
 FILE= 87 TITLE=CF--SEPARATION PCS, USAF ENLISTED, FY82
 FILE= 88 TITLE=CF--TERMINAL LEAVE, USAF OFFICER, FY82
 FILE= 89 TITLE=CF--TERMINAL LEAVE, USAF ENLISTED, FY82
 FILE= 90 TITLE=CF--BAS, NAVY ENLISTED, (\$112.88/MONTH)
 FILE= 91 TITLE=ENT--BAQ W/DEP, NAVY OFFICERS, FY82
 FILE= 92 TITLE=ENT--BAQ W/DEP, NAVY ENLISTED, FY82
 FILE= 93 TITLE=ENT--BAQ W/DEP, NAVY WARRANT, FY82
 FILE= 94 TITLE=ENT--BAQ W/O DEP, NAVY OFFICERS, FY82
 FILE= 95 TITLE=ENT--BAQ W/O DEP, NAVY ENLISTED, FY82
 FILE= 96 TITLE=ENT--BAQ W/O DEP, NAVY WARRANT, FY82
 FILE= 97 TITLE=ENT--BAQ PARTIAL, NAVY OFFICERS, FY82
 FILE= 98 TITLE=ENT--BAQ PARTIAL, NAVY ENLISTED, FY82
 FILE= 99 TITLE=ENT--BAQ PARTIAL, NAVY WARRANT, FY82
 FILE= 100 TITLE=CF--TOTAL BAQ, NAVY OFFICERS, FY82 (INCL W/DEP, W/O DEP, PARTIAL)

NAMES OF COST FILES
NUMBER OF CURRENTLY ACTIVE FILES IS 1115

FILE= 101 TITLE=CF--TOTAL BAQ, NAVY ENLISTED, FY82 (INCL W/DEP, W/O DEP, PARTIAL)
FILE= 102 TITLE=CF--TOTAL BAQ, NAVY WARRANT, FY82 (INCL W/DEP, W/O DEP, PARTIAL)
FILE= 103 TITLE=CF--TOTAL VHA, NAVY OFFICER, FY82
FILE= 104 TITLE=CF--TOTAL VHA, NAVY ENLISTED, FY82
FILE= 105 TITLE=CF--TOTAL VHA, NAVY WARRANT, FY82
FILE= 106 TITLE=CF--CLOTHING MAINT ALLOW, FY82, NAVY ENLISTED
FILE= 107 TITLE=ENT--FSA 1, NAVY OFFICER, FY82
FILE= 108 TITLE=ENT--FSA 1, NAVY ENLISTED, FY82
FILE= 109 TITLE=ENT--FSA 2, NAVY OFFICER, FY82
FILE= 110 TITLE=ENT--FSA 2, NAVY ENLISTED, FY82
FILE= 111 TITLE=ENT--FSA 2, NAVY WARRANT, FY82
FILE= 112 TITLE=CF--SEPARATION PCS, NAVY OFFICER AND WARRANT, FY82
FILE= 113 TITLE=CF--SEPARATION PCS, NAVY ENLISTED, FY82
FILE= 114 TITLE=CF--TERMINAL LEAVE, NAVY OFFICER, FY82
FILE= 115 TITLE=CF--TERMINAL LEAVE, NAVY ENLISTED, FY82
FILE= 116 TITLE=CF--TERMINAL LEAVE, NAVY WARRANT, FY82
FILE= 117 TITLE=CF--BAS, USMC ENLISTED, OCT 81 (\$105.62)
FILE= 118 TITLE=ENT--BAQ W/DEP, USMC OFFICER, FY82
FILE= 119 TITLE=ENT--BAQ W/DEP, USMC ENLISTED, FY82
FILE= 120 TITLE=ENT--BAQ W/DEP, USMC WARRANT, FY82
FILE= 121 TITLE=ENT--BAQ W/O DEP, USMC OFFICER, FY82
FILE= 122 TITLE=ENT--BAQ W/O DEP, USMC ENLISTED, FY82
FILE= 123 TITLE=ENT--BAQ W/O DEP, USMC WARRANT, FY82
FILE= 124 TITLE=ENT--BAQ PARTIAL, USMC OFFICER, FY82
FILE= 125 TITLE=ENT--BAQ PARTIAL, USMC ENLISTED, FY82
FILE= 126 TITLE=ENT--BAQ PARTIAL, USMC WARRANT, FY82
FILE= 127 TITLE=CF--TOTAL BAQ, USMC OFFICERS, FY82 (INCL W/DEP, W/O DEP, PRTL)
FILE= 128 TITLE=CF--TOTAL BAQ, USMC ENLISTED, FY82 (INCL W/DEP, W/O DEP, PRTL)
FILE= 129 TITLE=CF--TOTAL BAQ, USMC WARRANT, FY82 (INCL W/DEP, W/O DEP, PRTL)
FILE= 130 TITLE=CF--TOTAL VHA, USMC OFFICER, FY82
FILE= 131 TITLE=CF--TOTAL VHA, USMC ENLISTED, FY82
FILE= 132 TITLE=CF--TOTAL VHA, USMC WARRANT, FY82
FILE= 133 TITLE=CF--CLOTHING MAINT ALLOW (MONTHLY), FY82, USMC ENLISTED
FILE= 134 TITLE=ENT--FSA 2, USMC OFFICER, FY82
FILE= 135 TITLE=ENT--FSA 2, USMC ENLISTED, FY82
FILE= 136 TITLE=ENT--FSA 2, USMC WARRANT, FY82
FILE= 137 TITLE=CF--SEPARATION PCS, USMC OFFICER AND WARRANT, FY82
FILE= 138 TITLE=CF--SEPARATION PCS, USMC ENLISTED, FY82
FILE= 139 TITLE=CF--TERMINAL LEAVE, USMC OFFICER, FY82
FILE= 140 TITLE=CF--TERMINAL LEAVE, USMC ENLISTED, FY82
FILE= 141 TITLE=CF--TERMINAL LEAVE, USMC WARRANT, FY82
FILE= 142 TITLE=CF--ARMY ENL VAR 1ST COST FOR OCC=00 (\$3285)
FILE= 143 TITLE=CF--ARMY ENL VAR 1ST COST FOR OCC=01, 04 (\$3033)
FILE= 144 TITLE=CF--ARMY ENL VAR 1ST COST FOR OCC=02 (\$3332)
FILE= 145 TITLE=CF--ARMY ENL VAR 1ST COST FOR OCC=03 (\$7877)
FILE= 146 TITLE=CF--ARMY ENL VAR 1ST COST FOR OCC=05-08 (\$2799)
FILE= 147 TITLE=CF--ARMY ENL, VARIABLE RCTG, ADV, PROC COST (\$3447)
FILE= 148 TITLE=CF--NAVY ENL RCTG COST VARIABLE (\$2347)
FILE= 149 TITLE=CF--NAVY ENL VAR 1ST COST FOR OCC=00 (\$1227)
FILE= 150 TITLE=CF--NAVY ENL VAR 1ST COST FOR OCC=01 (\$7554)

NAMES OF COST FILES
NUMBER OF CURRENTLY ACTIVE FILES IS 1115

FILE= 151 TITLE=CF--NAVY ENL VAR 1ST COST FOR OCC=02 (\$4872)
FILE= 152 TITLE=CF--NAVY ENL VAR 1ST COST FOR OCC=03 (\$1561)
FILE= 153 TITLE=CF--NAVY ENL VAR 1ST COST FOR OCC=04 (\$4148)
FILE= 154 TITLE=CF--NAVY ENL VAR 1ST COST FOR OCC=05 (\$1373)
FILE= 155 TITLE=CF--NAVY ENL VAR 1ST COST FOR OCC=06 (\$3695)
FILE= 156 TITLE=CF--NAVY ENL VAR 1ST COST FOR OCC=07 (\$2272)
FILE= 157 TITLE=CF--NAVY ENL VAR 1ST COST FOR OCC=08 (\$1664)
FILE= 158 TITLE=CF--MC RCTG COST FOR ALL ENL (\$3758)
FILE= 159 TITLE=CF--MC ENL VAR 1ST COST OCC=06 (\$12802)
FILE= 160 TITLE=CF--MC ENL VAR 1ST COST OCC=07 (\$2873)
FILE= 161 TITLE=CF--MC ENL VAR 1ST COST OCC=08 (\$2139)
FILE= 162 TITLE=CF--ARMY OFF ACQ (\$17432)
FILE= 163 TITLE=CF--ARMY OFF TNG, PILOT (\$145457)
FILE= 164 TITLE=CF--ARMY OFF TNG, COMBAT ARMS (\$2602)
FILE= 165 TITLE=CF--ARMY OFF TNG, COMBAT SUPPORT (\$3371)
FILE= 166 TITLE=CF--ARMY OFF TNG, OTHER (\$3378)
FILE= 167 TITLE=CF--ARMY WRT TNG, PILOT (\$145534)
FILE= 168 TITLE=CF--ARMY WRT TNG, OTHER (\$3367)
FILE= 169 TITLE=CF--NAVY OFF RCTG, ALL (\$3439)
FILE= 170 TITLE=CF--NAVY OFF TNG, PILOT (\$985912)
FILE= 171 TITLE=CF--NAVY OFF TNG, NFO (\$467538)
FILE= 172 TITLE=CF--NAVY OFF TNG, SURFACE (\$14452)
FILE= 173 TITLE=CF--NAVY OFF TNG, SUBMARINE (\$40085)
FILE= 174 TITLE=CF--NAVY OFF TNG, URGENT (\$7504)
FILE= 175 TITLE=CF--NAVY OFF TNG, LDO (\$2542)
FILE= 176 TITLE=CF--NAVY OFF TNG, JAG (\$2898)
FILE= 177 TITLE=CF--NAVY OFF TNG, CHAPLAIN (\$3500)
FILE= 178 TITLE=CF--NAVY OFF TNG, PHYSICIANS (\$663)
FILE= 179 TITLE=CF--NAVY OFF TNG, DENTISTS (\$670)
FILE= 180 TITLE=CF--NAVY OFF TNG, NURSE (\$576)
FILE= 181 TITLE=CF--NAVY OFF TNG, MSC (\$2284)
FILE= 182 TITLE=CF--NAVY OFF TNG, RLST (\$13772)
FILE= 183 TITLE=CF--NAVY OFF TNG, OTHER (\$2204)
FILE= 184 TITLE=CF--USMC OFF ACQ, PLT (\$9175)
FILE= 185 TITLE=CF--USMC OFF ACQ, NAV (\$22503)
FILE= 186 TITLE=CF--USMC OFF ACQ, COMBAT ARMS (\$11018)
FILE= 187 TITLE=CF--USMC OFF ACQ, COMBAT SUPPORT (\$10732)
FILE= 188 TITLE=USMC OFF ACQ, JAG (\$5449)
FILE= 189 TITLE=USMC OFF TNG, PILOT (\$983,541)
FILE= 190 TITLE=CF--USMC OFF TNG, NAV (\$452519)
FILE= 191 TITLE=CF--USMC OFF TNG, COMBAT ARMS (\$29892)
FILE= 192 TITLE=USMC OFF & WRT TNG, COMBAT SUPPORT (\$30071)
FILE= 193 TITLE=CF--USMC OFF TNG, JAG (\$28226)
FILE= 194 TITLE=CF--USAF OFF RCTG & ACQ, ALL (\$14769)
FILE= 195 TITLE=CF--USAF OFF TNG, PILOT (\$249,047)
FILE= 196 TITLE=CF--USAF OFF TNG, NAV (\$50849)
FILE= 197 TITLE=CF--USAF OFF TNG, TECHNICAL (\$52217)
FILE= 198 TITLE=CF--USAF OFF TNG, SUPPORT (\$7527)
FILE= 199 TITLE=CF--BASIC PAY, ENL, OCT 81, E-8/9 GRADES FILLED IN, WEIGHTED RATES IN E3
FILE= 200 TITLE=CF--BAQ W/O DEP, ENL, OCT 81 (ALSO FSA 1) E1, 2, 3 WEIGHTED INTO E3 CO

NAMES OF COST FILES
 NUMBER OF CURRENTLY ACTIVE FILES IS 1115

FILE= 201 TITLE=CF--TOTAL BAQ,ARMY ENL, FY82, E1-E3 WEIGHED IN E3 COLUMN
 FILE= 202 TITLE=CF--TOTAL BAQ,NAVY ENL, FY82, E1-E3 WEIGHED INTO E3 COLUMN
 FILE= 203 TITLE=CF--TOTAL BAQ,USMC ENL, FY82, E1-E3 WEIGHED INTO E3 COLUMN
 FILE= 204 TITLE=CF--TOTAL BAQ,USAF ENL, FY82, E3 COLUMN HAS WEIGHED E1-E3 RATES
 FILE= 205 TITLE=CF--FICA MONTHLY FOR ENLISTED, FY82, E3 COLUMN CONTAINS WEIGHED E1-E3
 FILE= 206 TITLE=CF--TOTAL VIA,ARMY ENL, FY82--E1-E3 WEIGHED INTO E3
 FILE= 207 TITLE=CF--TOTAL VIA,NAVY ENL, FY82, E3 COLUMN CONTAINS WEIGHED E1-E3 RATES
 FILE= 208 TITLE=CF--TOTAL VIA,USMC ENL, FY82, E3 COLUMN HAS WEIGHED E1-E3 RATES
 FILE= 209 TITLE=CF--TOTAL VIA,AF ENL, FY82, E3 COLUMN HAS WEIGHED E1-E3 RATES
 FILE= 210 TITLE=CF--TERM LV,ARMY ENL, FY82, E3 COLUMN HAS E1-E3 RATES
 FILE= 211 TITLE=CF--TERM LV,NAVY ENL, FY82, E3 COLUMN HAS WEIGHED E1-E3 RATES
 FILE= 212 TITLE=CF--TERM LV,USMC ENL, FY82, E3 COLUMN HAS WEIGHED E1-E3 RATES
 FILE= 213 TITLE=CF--TERM LV,USAF ENL, FY82, E3 COLUMN HAS WEIGHED E1-E3 RATES
 FILE= 214 TITLE=CF--ENL SEP PAY (SAME AS OFF FORMULA), E3 COL HAS WEIGHED RATES
 FILE= 215 TITLE=CF--ENL DIS SEV PAY, E3 COL HAS WEIGHED E1-E3 RATES
 FILE= 216 TITLE=CF--ENL DIS RET PAY, E3 COL HAS WEIGHED E1-E3 RATES
 FILE= 217 TITLE=CF--ENL MONTH RET PAY, E3 COL HAS WEIGHED E1-E3 RATES
 FILE= 218 TITLE=CF--OFF DIS RET PAY 81BP 5%COLA 5.5%MG EAGE=23 YOS1-19 ACTUAL
 FILE= 219 TITLE=CF--WRT DIS RET PAY 81BP 5%COLA 5.5%MG EAGE=20 YOS 1-19 ACTUAL
 FILE= 220 TITLE=CF--OFFICER RETIRED PAY, 5%COLA, 5.5%MG, EAGE=23, YOS 1-19 ASSUMED 20
 FILE= 221 TITLE=CF--WRT RETIRED PAY, 81 BP, 5%COLA, 5.5% MG, EAGE=20, YOS 1-19 ASSUMED 20
 FILE= 222 TITLE=CF--MC ENL VAR IST COST OCC=07 (\$2673)
 FILE= 223 TITLE=CF--MC ENL VAR IST COST OCC=08 (\$2139)
 FILE= 224 TITLE=CF--AF ENL RCTG COST VAR FOR ALL (\$2893)
 FILE= 225 TITLE=CF--AF ENL VAR IST COST OCC=00 (\$2744)
 FILE= 226 TITLE=CF--AF ENL VAR IST COST OCC=01 (\$9289)
 FILE= 227 TITLE=CF--AF ENL VAR IST COST OCC=02 (\$6570)
 FILE= 228 TITLE=CF--AF ENL VAR IST COST FOR OCC=03 (\$4384)
 FILE= 229 TITLE=CF--AF ENL VAR IST COST FOR OCC=04 (\$5697)
 FILE= 230 TITLE=CF--AF ENL VAR IST COST FOR OCC=05 (\$3198)
 FILE= 231 TITLE=CF--AF ENL VAR IST COST FOR OCC=06 (\$4436)
 FILE= 232 TITLE=ENT--NAVY ENL OCC=00 SEA PAY TOTAL = 0.3019
 FILE= 233 TITLE=ENT--NAVY ENL OCC=00 PREM. SEA PAY TOTAL = 0.0543
 FILE= 234 TITLE=ENT--NAVY ENL OCC=00 SR8 TOTAL = 0.1179
 FILE= 235 TITLE=ENT--NAVY ENL OCC=00 SUB PAY TOTAL = 0.0309
 FILE= 236 TITLE=ENT--NAVY ENL OCC=00 NUC ACC BONUS TOTAL = 0.0
 FILE= 237 TITLE=ENT--NAVY ENL OCC=00 PCS (TRNG) TOTAL = 0.0113
 FILE= 238 TITLE=ENT--NAVY ENL OCC=00 PCS (ORU) TOTAL = 0.0994
 FILE= 239 TITLE=ENT--NAVY ENL OCC=01 SEA PAY TOTAL = 0.3227
 FILE= 240 TITLE=ENT--NAVY ENL OCC=01 PREM. SEA PAY TOTAL = 0.0341
 FILE= 241 TITLE=ENT--NAVY ENL OCC=01 SR8 TOTAL = 0.1937
 FILE= 242 TITLE=ENT--NAVY ENL OCC=01 SUB PAY TOTAL = 0.1530
 FILE= 243 TITLE=ENT--NAVY ENL OCC=01 NUC ACC BONUS TOTAL = 0.0
 FILE= 244 TITLE=ENT--NAVY ENL OCC=01 PCS (TRNG) TOTAL = 0.1102
 FILE= 245 TITLE=ENT--NAVY ENL OCC=01 PCS (ORU) TOTAL = 0.0994
 FILE= 246 TITLE=ENT--NAVY ENL OCC=02 SEA PAY TOTAL = 0.2429
 FILE= 247 TITLE=ENT--NAVY ENL OCC=02 PREM. SEA PAY TOTAL = 0.0323
 FILE= 248 TITLE=ENT--NAVY ENL OCC=02 SR8 TOTAL = 0.1762
 FILE= 249 TITLE=ENT--NAVY ENL OCC=02 SUB PAY TOTAL = 0.0375
 FILE= 250 TITLE=ENT--NAVY ENL OCC=02 NUC ACC BONUS TOTAL = 0.0

NAMES OF COST FILES
 NUMBER OF CURRENTLY ACTIVE FILES IS 1115

| | | | | |
|-----------|---------------------|--------|-----------------------------|--------|
| FILE= 251 | TITLE=ENT--NAVY ENL | OCC=02 | PCSTRNG) TOTAL = | 0.0184 |
| FILE= 252 | TITLE=ENT--NAVY ENL | OCC=02 | PCSTRNG) TOTAL = | 0.1270 |
| FILE= 253 | TITLE=ENT--NAVY ENL | OCC=03 | SEA PAY TOTAL = | 0.0968 |
| FILE= 254 | TITLE=ENT--NAVY ENL | OCC=03 | PREM, SEA PAY TOTAL = | 0.0020 |
| FILE= 255 | TITLE=ENT--NAVY ENL | OCC=03 | SRB TOTAL = | 0.0162 |
| FILE= 256 | TITLE=ENT--NAVY ENL | OCC=03 | SUB PAY TOTAL = | 0.0121 |
| FILE= 257 | TITLE=ENT--NAVY ENL | OCC=03 | NUC ACC BONUS TOTAL = | 0.0 |
| FILE= 258 | TITLE=ENT--NAVY ENL | OCC=03 | PCSTRNG) TOTAL = | 0.0446 |
| FILE= 259 | TITLE=ENT--NAVY ENL | OCC=03 | PCSTRNG) TOTAL = | 0.2221 |
| FILE= 260 | TITLE=ENT--NAVY ENL | OCC=04 | SEA PAY TOTAL = | 0.1352 |
| FILE= 261 | TITLE=ENT--NAVY ENL | OCC=04 | PREM, SEA PAY TOTAL = | 0.0084 |
| FILE= 262 | TITLE=ENT--NAVY ENL | OCC=04 | SRB TOTAL = | 0.0699 |
| FILE= 263 | TITLE=ENT--NAVY ENL | OCC=04 | SUB PAY TOTAL = | 0.0037 |
| FILE= 264 | TITLE=ENT--NAVY ENL | OCC=04 | NUC ACC BONUS TOTAL = | 0.0 |
| FILE= 265 | TITLE=ENT--NAVY ENL | OCC=04 | PCSTRNG) TOTAL = | 0.0215 |
| FILE= 266 | TITLE=ENT--NAVY ENL | OCC=04 | PCSTRNG) TOTAL = | 0.1565 |
| FILE= 267 | TITLE=ENT--NAVY ENL | OCC=05 | SEA PAY TOTAL = | 0.1751 |
| FILE= 268 | TITLE=ENT--NAVY ENL | OCC=05 | PREM, SEA PAY TOTAL = | 0.0142 |
| FILE= 269 | TITLE=ENT--NAVY ENL | OCC=05 | SRB TOTAL = | 0.0201 |
| FILE= 270 | TITLE=ENT--NAVY ENL | OCC=05 | SUB PAY TOTAL = | 0.0304 |
| FILE= 271 | TITLE=ENT--NAVY ENL | OCC=05 | NUC ACC BONUS TOTAL = | 0.0 |
| FILE= 272 | TITLE=ENT--NAVY ENL | OCC=05 | PCSTRNG) TOTAL = | 0.0046 |
| FILE= 273 | TITLE=ENT--NAVY ENL | OCC=05 | PCSTRNG) TOTAL = | 0.1423 |
| FILE= 274 | TITLE=ENT--NAVY ENL | OCC=06 | SEA PAY TOTAL = | 0.3042 |
| FILE= 275 | TITLE=ENT--NAVY ENL | OCC=06 | PREM, SEA PAY TOTAL = | 0.0377 |
| FILE= 276 | TITLE=ENT--NAVY ENL | OCC=06 | SRB TOTAL = | 0.1713 |
| FILE= 277 | TITLE=ENT--NAVY ENL | OCC=06 | SUB PAY TOTAL = | 0.0672 |
| FILE= 278 | TITLE=ENT--NAVY ENL | OCC=06 | NUC ACC BONUS TOTAL = | 0.0 |
| FILE= 279 | TITLE=ENT--NAVY ENL | OCC=06 | PCSTRNG) TOTAL = | 0.0301 |
| FILE= 280 | TITLE=ENT--NAVY ENL | OCC=06 | PCSTRNG) TOTAL = | 0.1137 |
| FILE= 281 | TITLE=ENT--NAVY ENL | OCC=07 | SEA PAY TOTAL = | 0.1965 |
| FILE= 282 | TITLE=ENT--NAVY ENL | OCC=07 | PREM, SEA PAY TOTAL = | 0.0206 |
| FILE= 283 | TITLE=ENT--NAVY ENL | OCC=07 | SRB TOTAL = | 0.1615 |
| FILE= 284 | TITLE=ENT--NAVY ENL | OCC=07 | SUB PAY TOTAL = | 0.0048 |
| FILE= 285 | TITLE=ENT--NAVY ENL | OCC=07 | NUC ACC BONUS TOTAL = | 0.0 |
| FILE= 286 | TITLE=ENT--NAVY ENL | OCC=07 | PCSTRNG) TOTAL = | 0.0045 |
| FILE= 287 | TITLE=ENT--NAVY ENL | OCC=07 | PCSTRNG) TOTAL = | 0.1432 |
| FILE= 288 | TITLE=ENT--NAVY ENL | OCC=08 | SEA PAY TOTAL = | 0.2799 |
| FILE= 289 | TITLE=ENT--NAVY ENL | OCC=08 | PREM, SEA PAY TOTAL = | 0.0369 |
| FILE= 290 | TITLE=ENT--NAVY ENL | OCC=08 | SRB TOTAL = | 0.1348 |
| FILE= 291 | TITLE=ENT--NAVY ENL | OCC=08 | SUB PAY TOTAL = | 0.0515 |
| FILE= 292 | TITLE=ENT--NAVY ENL | OCC=08 | NUC ACC BONUS TOTAL = | 0.0 |
| FILE= 293 | TITLE=ENT--NAVY ENL | OCC=08 | PCSTRNG) TOTAL = | 0.0026 |
| FILE= 294 | TITLE=ENT--NAVY ENL | OCC=08 | PCSTRNG) TOTAL = | 0.1538 |
| FILE= 295 | TITLE=ENT--NAVY ENL | OCC=08 | TOTAL SEA PAY TOTAL = | 0.2605 |
| FILE= 296 | TITLE=ENT--NAVY ENL | OCC=08 | TOTAL PREM, SEA PAY TOTAL = | 0.0309 |
| FILE= 297 | TITLE=ENT--NAVY ENL | OCC=08 | TOTAL SRB TOTAL = | 0.1388 |
| FILE= 298 | TITLE=ENT--NAVY ENL | OCC=08 | TOTAL SUB PAY TOTAL = | 0.0612 |
| FILE= 299 | TITLE=ENT--NAVY ENL | OCC=08 | TOTAL NUC ACC BONUS TOTAL = | 0.0 |
| FILE= 300 | TITLE=ENT--NAVY ENL | OCC=08 | TOTAL PCS (TRNG) TOTAL = | 0.0337 |

NAMES OF COST FILES
NUMBER OF CURRENTLY ACTIVE FILES IS 1115

| | | | | |
|-----------|---------------------|-------|-----------------------|-----------|
| FILE= 301 | TITLE=ENT--NAVY ENL | TOTAL | PCS(ORU) TOTAL = | 0.1271 |
| FILE= 302 | TITLE=CF--NAVY ENL | OC=00 | SEA PAY TOTAL = | 1455.2100 |
| FILE= 303 | TITLE=CF--NAVY ENL | OC=00 | PREM. SEA PAY TOTAL = | 600.7898 |
| FILE= 304 | TITLE=CF--NAVY ENL | OC=00 | SRB TOTAL = | 1928.6199 |
| FILE= 305 | TITLE=CF--NAVY ENL | OC=00 | SUB PAY TOTAL = | 1399.0498 |
| FILE= 306 | TITLE=CF--NAVY ENL | OC=00 | NUC ACC BONUS TOTAL = | 0.0 |
| FILE= 307 | TITLE=CF--NAVY ENL | OC=00 | PCS(TRNG) TOTAL = | 1785.2798 |
| FILE= 308 | TITLE=CF--NAVY ENL | OC=00 | PCS(ORU) TOTAL = | 3037.7998 |
| FILE= 309 | TITLE=CF--NAVY ENL | OC=01 | SEA PAY TOTAL = | 1040.0798 |
| FILE= 310 | TITLE=CF--NAVY ENL | OC=01 | PREM. SEA PAY TOTAL = | 581.1799 |
| FILE= 311 | TITLE=CF--NAVY ENL | OC=01 | SRB TOTAL = | 4156.8164 |
| FILE= 312 | TITLE=CF--NAVY ENL | OC=01 | SUB PAY TOTAL = | 1449.6599 |
| FILE= 313 | TITLE=CF--NAVY ENL | OC=01 | NUC ACC BONUS TOTAL = | 0.0 |
| FILE= 314 | TITLE=CF--NAVY ENL | OC=01 | PCS(TRNG) TOTAL = | 1392.3499 |
| FILE= 315 | TITLE=CF--NAVY ENL | OC=01 | PCS(ORU) TOTAL = | 3644.0698 |
| FILE= 316 | TITLE=CF--NAVY ENL | OC=02 | SEA PAY TOTAL = | 1217.2300 |
| FILE= 317 | TITLE=CF--NAVY ENL | OC=02 | PREM. SEA PAY TOTAL = | 573.3198 |
| FILE= 318 | TITLE=CF--NAVY ENL | OC=02 | SRB TOTAL = | 3469.6299 |
| FILE= 319 | TITLE=CF--NAVY ENL | OC=02 | SUB PAY TOTAL = | 1153.5999 |
| FILE= 320 | TITLE=CF--NAVY ENL | OC=02 | NUC ACC BONUS TOTAL = | 0.0 |
| FILE= 321 | TITLE=CF--NAVY ENL | OC=02 | PCS(TRNG) TOTAL = | 1569.1499 |
| FILE= 322 | TITLE=CF--NAVY ENL | OC=02 | PCS(ORU) TOTAL = | 3817.7100 |
| FILE= 323 | TITLE=CF--NAVY ENL | OC=03 | SEA PAY TOTAL = | 867.3298 |
| FILE= 324 | TITLE=CF--NAVY ENL | OC=03 | PREM. SEA PAY TOTAL = | 506.8198 |
| FILE= 325 | TITLE=CF--NAVY ENL | OC=03 | SRB TOTAL = | 2465.6499 |
| FILE= 326 | TITLE=CF--NAVY ENL | OC=03 | SUB PAY TOTAL = | 2133.8699 |
| FILE= 327 | TITLE=CF--NAVY ENL | OC=03 | NUC ACC BONUS TOTAL = | 0.0 |
| FILE= 328 | TITLE=CF--NAVY ENL | OC=03 | PCS(TRNG) TOTAL = | 1922.5198 |
| FILE= 329 | TITLE=CF--NAVY ENL | OC=03 | PCS(ORU) TOTAL = | 2471.5898 |
| FILE= 330 | TITLE=CF--NAVY ENL | OC=04 | SEA PAY TOTAL = | 917.2598 |
| FILE= 331 | TITLE=CF--NAVY ENL | OC=04 | PREM. SEA PAY TOTAL = | 397.0798 |
| FILE= 332 | TITLE=CF--NAVY ENL | OC=04 | SRB TOTAL = | 2444.4900 |
| FILE= 333 | TITLE=CF--NAVY ENL | OC=04 | SUB PAY TOTAL = | 600.5198 |
| FILE= 334 | TITLE=CF--NAVY ENL | OC=04 | NUC ACC BONUS TOTAL = | 0.0 |
| FILE= 335 | TITLE=CF--NAVY ENL | OC=04 | PCS(TRNG) TOTAL = | 1647.6799 |
| FILE= 336 | TITLE=CF--NAVY ENL | OC=04 | PCS(ORU) TOTAL = | 3490.6599 |
| FILE= 337 | TITLE=CF--NAVY ENL | OC=05 | SEA PAY TOTAL = | 1157.0398 |
| FILE= 338 | TITLE=CF--NAVY ENL | OC=05 | PREM. SEA PAY TOTAL = | 479.8298 |
| FILE= 339 | TITLE=CF--NAVY ENL | OC=05 | SRB TOTAL = | 2409.1599 |
| FILE= 340 | TITLE=CF--NAVY ENL | OC=05 | SUB PAY TOTAL = | 1224.5798 |
| FILE= 341 | TITLE=CF--NAVY ENL | OC=05 | NUC ACC BONUS TOTAL = | 0.0 |
| FILE= 342 | TITLE=CF--NAVY ENL | OC=05 | PCS(TRNG) TOTAL = | 1348.6899 |
| FILE= 343 | TITLE=CF--NAVY ENL | OC=05 | PCS(ORU) TOTAL = | 3507.4199 |
| FILE= 344 | TITLE=CF--NAVY ENL | OC=06 | SEA PAY TOTAL = | 1132.1599 |
| FILE= 345 | TITLE=CF--NAVY ENL | OC=06 | PREM. SEA PAY TOTAL = | 608.6299 |
| FILE= 346 | TITLE=CF--NAVY ENL | OC=06 | SRB TOTAL = | 3497.6499 |
| FILE= 347 | TITLE=CF--NAVY ENL | OC=06 | SUB PAY TOTAL = | 1443.3398 |
| FILE= 348 | TITLE=CF--NAVY ENL | OC=06 | NUC ACC BONUS TOTAL = | 0.0 |
| FILE= 349 | TITLE=CF--NAVY ENL | OC=06 | PCS(TRNG) TOTAL = | 1177.0698 |
| FILE= 350 | TITLE=CF--NAVY ENL | OC=06 | PCS(ORU) TOTAL = | 3066.4900 |

NAMES OF COST FILES
 NUMBER OF CURRENTLY ACTIVE FILES IS 1115

| | | | | |
|-----------|--------------------|--------|--------------------------------|-----------|
| FILE= 351 | TITLE=CF--NAVY ENL | OCC=07 | SEA PAY TOTAL = | 1070.7598 |
| FILE= 352 | TITLE=CF--NAVY ENL | OCC=07 | PREM. SEA PAY TOTAL = | 573.3499 |
| FILE= 353 | TITLE=CF--NAVY ENL | OCC=07 | SRB TOTAL = | 3053.6599 |
| FILE= 354 | TITLE=CF--NAVY ENL | OCC=07 | SUB PAY TOTAL = | 499.1499 |
| FILE= 355 | TITLE=CF--NAVY ENL | OCC=07 | NUC ACC BONUS TOTAL = | 0.0 |
| FILE= 356 | TITLE=CF--NAVY ENL | OCC=07 | PCS(TRNG) TOTAL = | 2461.6599 |
| FILE= 357 | TITLE=CF--NAVY ENL | OCC=07 | PCS(ORU) TOTAL = | 3462.4600 |
| FILE= 358 | TITLE=CF--NAVY ENL | OCC=08 | SEA PAY TOTAL = | 1512.7100 |
| FILE= 359 | TITLE=CF--NAVY ENL | OCC=08 | PREM. SEA PAY TOTAL = | 495.7698 |
| FILE= 360 | TITLE=CF--NAVY ENL | OCC=08 | SRB TOTAL = | 2612.6399 |
| FILE= 361 | TITLE=CF--NAVY ENL | OCC=08 | SUB PAY TOTAL = | 1242.8098 |
| FILE= 362 | TITLE=CF--NAVY ENL | OCC=08 | NUC ACC BONUS TOTAL = | 0.0 |
| FILE= 363 | TITLE=CF--NAVY ENL | OCC=08 | PCS(TRNG) TOTAL = | 1119.3899 |
| FILE= 364 | TITLE=CF--NAVY ENL | OCC=08 | PCS(ORU) TOTAL = | 3539.7998 |
| FILE= 365 | TITLE=CF--NAVY ENL | OCC=08 | SEA PAY TOTAL = | 1167.4199 |
| FILE= 366 | TITLE=CF--NAVY ENL | OCC=08 | PREM. SEA PAY TOTAL = | 578.5898 |
| FILE= 367 | TITLE=CF--NAVY ENL | OCC=08 | SRB TOTAL = | 3431.7898 |
| FILE= 368 | TITLE=CF--NAVY ENL | OCC=08 | SUB PAY TOTAL = | 1398.5798 |
| FILE= 369 | TITLE=CF--NAVY ENL | OCC=08 | NUC ACC BONUS TOTAL = | 0.0 |
| FILE= 370 | TITLE=CF--NAVY ENL | OCC=08 | PCS(TRNG) TOTAL = | 1393.2100 |
| FILE= 371 | TITLE=CF--NAVY ENL | OCC=08 | PCS(ORU) TOTAL = | 3311.7900 |
| FILE= 372 | TITLE=CF--NAVY OFF | OCC=08 | SEA PAY TOTAL = | 1085.7100 |
| FILE= 373 | TITLE=CF--NAVY OFF | OCC=08 | LEGAL PREM SEA PAY TOTAL = | 0.0 |
| FILE= 374 | TITLE=CF--NAVY OFF | OCC=08 | LEGAL ACIP TOTAL = | 1000.0000 |
| FILE= 375 | TITLE=CF--NAVY OFF | OCC=08 | SUB PAY TOTAL = | 0.0 |
| FILE= 376 | TITLE=CF--NAVY OFF | OCC=08 | NUC ACC BONUS TOTAL = | 0.0 |
| FILE= 377 | TITLE=CF--NAVY OFF | OCC=08 | PCS(TRNG) TOTAL = | 4936.5000 |
| FILE= 378 | TITLE=CF--NAVY OFF | OCC=08 | LEGAL PCS(ORU) TOTAL = | 8502.5078 |
| FILE= 379 | TITLE=CF--NAVY OFF | OCC=08 | LEGAL ACP TOTAL = | 0.0 |
| FILE= 380 | TITLE=CF--NAVY OFF | OCC=08 | CHAPLAIN SEA PAY TOTAL = | 1450.0000 |
| FILE= 381 | TITLE=CF--NAVY OFF | OCC=08 | CHAPLAIN PREM SEA PAY TOTAL = | 270.0000 |
| FILE= 382 | TITLE=CF--NAVY OFF | OCC=08 | CHAPLAIN ACIP TOTAL = | 0.0 |
| FILE= 383 | TITLE=CF--NAVY OFF | OCC=08 | CHAPLAIN SUB PAY TOTAL = | 933.3298 |
| FILE= 384 | TITLE=CF--NAVY OFF | OCC=08 | CHAPLAIN NUC ACC BONUS TOTAL = | 0.0 |
| FILE= 385 | TITLE=CF--NAVY OFF | OCC=08 | CHAPLAIN PCS(TRNG) TOTAL = | 4825.7891 |
| FILE= 386 | TITLE=CF--NAVY OFF | OCC=08 | CHAPLAIN PCS(ORU) TOTAL = | 8509.1797 |
| FILE= 387 | TITLE=CF--NAVY OFF | OCC=08 | CHAPLAIN ACP TOTAL = | 0.0 |
| FILE= 388 | TITLE=CF--NAVY OFF | OCC=08 | PHYS SEA PAY TOTAL = | 1029.4099 |
| FILE= 389 | TITLE=CF--NAVY OFF | OCC=08 | PHYS PREM SEA PAY TOTAL = | 0.0 |
| FILE= 390 | TITLE=CF--NAVY OFF | OCC=08 | PHYS ACIP TOTAL = | 1985.2400 |
| FILE= 391 | TITLE=CF--NAVY OFF | OCC=08 | PHYS SUB PAY TOTAL = | 2910.0000 |
| FILE= 392 | TITLE=CF--NAVY OFF | OCC=08 | PHYS NUC ACC BONUS TOTAL = | 0.0 |
| FILE= 393 | TITLE=CF--NAVY OFF | OCC=08 | PHYS PCS(TRNG) TOTAL = | 3785.5598 |
| FILE= 394 | TITLE=CF--NAVY OFF | OCC=08 | PHYS PCS(ORU) TOTAL = | 8212.3164 |
| FILE= 395 | TITLE=CF--NAVY OFF | OCC=08 | PHYS ACP TOTAL = | 0.0 |
| FILE= 396 | TITLE=CF--NAVY OFF | OCC=08 | DENT SEA PAY TOTAL = | 1150.0000 |
| FILE= 397 | TITLE=CF--NAVY OFF | OCC=08 | DENT PREM SEA PAY TOTAL = | 0.0 |
| FILE= 398 | TITLE=CF--NAVY OFF | OCC=08 | DENT ACIP TOTAL = | 0.0 |
| FILE= 399 | TITLE=CF--NAVY OFF | OCC=08 | DENT SUB PAY TOTAL = | 0.0 |
| FILE= 400 | TITLE=CF--NAVY OFF | OCC=08 | DENT NUC ACC BONUS TOTAL = | 0.0 |

NAMES OF COST FILES
 NUMBER OF CURRENTLY ACTIVE FILES IS 1115

| | | | | | | |
|-----------|----------------|-----|--------|---------------|---------|-----------|
| FILE= 401 | TITLE=CF--NAVY | OFF | DENT | PCS(TRNG) | TOTAL = | 4502.8789 |
| FILE= 402 | TITLE=CF--NAVY | OFF | DENT | PCS(ORU) | TOTAL = | 7947.3477 |
| FILE= 403 | TITLE=CF--NAVY | OFF | DENT | AACP | TOTAL = | 0.0 |
| FILE= 404 | TITLE=CF--NAVY | OFF | NURSE | SEA PAY | TOTAL = | 900.0000 |
| FILE= 405 | TITLE=CF--NAVY | OFF | NURSE | PREM SEA PAY | TOTAL = | 0.0 |
| FILE= 406 | TITLE=CF--NAVY | OFF | NURSE | ACIP | TOTAL = | 0.0 |
| FILE= 407 | TITLE=CF--NAVY | OFF | NURSE | SUB PAY | TOTAL = | 0.0 |
| FILE= 408 | TITLE=CF--NAVY | OFF | NURSE | NUC ACC BONUS | TOTAL = | 0.0 |
| FILE= 409 | TITLE=CF--NAVY | OFF | NURSE | PCS(TRNG) | TOTAL = | 3214.1699 |
| FILE= 410 | TITLE=CF--NAVY | OFF | NURSE | PCS(ORU) | TOTAL = | 5955.9492 |
| FILE= 411 | TITLE=CF--NAVY | OFF | NURSE | AACP | TOTAL = | 0.0 |
| FILE= 412 | TITLE=CF--NAVY | OFF | MSC | SEA PAY | TOTAL = | 910.0000 |
| FILE= 413 | TITLE=CF--NAVY | OFF | MSC | PREM SEA PAY | TOTAL = | 0.0 |
| FILE= 414 | TITLE=CF--NAVY | OFF | MSC | ACIP | TOTAL = | 3394.7400 |
| FILE= 415 | TITLE=CF--NAVY | OFF | MSC | SUB PAY | TOTAL = | 266.6699 |
| FILE= 416 | TITLE=CF--NAVY | OFF | MSC | NUC ACC BONUS | TOTAL = | 0.0 |
| FILE= 417 | TITLE=CF--NAVY | OFF | MSC | PCS(TRNG) | TOTAL = | 4721.8984 |
| FILE= 418 | TITLE=CF--NAVY | OFF | MSC | PCS(ORU) | TOTAL = | 7304.0664 |
| FILE= 419 | TITLE=CF--NAVY | OFF | MSC | AACP | TOTAL = | 0.0 |
| FILE= 420 | TITLE=CF--NAVY | OFF | PILOTS | SEA PAY | TOTAL = | 1349.4800 |
| FILE= 421 | TITLE=CF--NAVY | OFF | PILOTS | PREM SEA PAY | TOTAL = | 660.3298 |
| FILE= 422 | TITLE=CF--NAVY | OFF | PILOTS | ACIP | TOTAL = | 3228.5000 |
| FILE= 423 | TITLE=CF--NAVY | OFF | PILOTS | SUB PAY | TOTAL = | 760.0000 |
| FILE= 424 | TITLE=CF--NAVY | OFF | PILOTS | NUC ACC BONUS | TOTAL = | 0.0 |
| FILE= 425 | TITLE=CF--NAVY | OFF | PILOTS | PCS(TRNG) | TOTAL = | 2865.3298 |
| FILE= 426 | TITLE=CF--NAVY | OFF | PILOTS | PCS(ORU) | TOTAL = | 8201.4062 |
| FILE= 427 | TITLE=CF--NAVY | OFF | PILOTS | AACP | TOTAL = | 5782.3281 |
| FILE= 428 | TITLE=CF--NAVY | OFF | NFO | SEA PAY | TOTAL = | 1194.0198 |
| FILE= 429 | TITLE=CF--NAVY | OFF | NFO | PREM SEA PAY | TOTAL = | 461.9600 |
| FILE= 430 | TITLE=CF--NAVY | OFF | NFO | ACIP | TOTAL = | 3199.6799 |
| FILE= 431 | TITLE=CF--NAVY | OFF | NFO | SUB PAY | TOTAL = | 750.0000 |
| FILE= 432 | TITLE=CF--NAVY | OFF | NFO | NUC ACC BONUS | TOTAL = | 3000.0000 |
| FILE= 433 | TITLE=CF--NAVY | OFF | NFO | PCS(TRNG) | TOTAL = | 3689.8298 |
| FILE= 434 | TITLE=CF--NAVY | OFF | NFO | PCS(ORU) | TOTAL = | 8033.6680 |
| FILE= 435 | TITLE=CF--NAVY | OFF | NFO | AACP | TOTAL = | 6395.2695 |
| FILE= 436 | TITLE=CF--NAVY | OFF | SWO | SEA PAY | TOTAL = | 1786.9800 |
| FILE= 437 | TITLE=CF--NAVY | OFF | SWO | PREM SEA PAY | TOTAL = | 656.4299 |
| FILE= 438 | TITLE=CF--NAVY | OFF | SWO | ACIP | TOTAL = | 973.0198 |
| FILE= 439 | TITLE=CF--NAVY | OFF | SWO | SUB PAY | TOTAL = | 907.2698 |
| FILE= 440 | TITLE=CF--NAVY | OFF | SWO | NUC ACC BONUS | TOTAL = | 4607.2969 |
| FILE= 441 | TITLE=CF--NAVY | OFF | SWO | PCS(TRNG) | TOTAL = | 3947.8499 |
| FILE= 442 | TITLE=CF--NAVY | OFF | SWO | PCS(ORU) | TOTAL = | 6384.7500 |
| FILE= 443 | TITLE=CF--NAVY | OFF | SWO | AACP | TOTAL = | 4800.0000 |
| FILE= 444 | TITLE=CF--NAVY | OFF | SUBM | SEA PAY | TOTAL = | 1860.6299 |
| FILE= 445 | TITLE=CF--NAVY | OFF | SUBM | PREM SEA PAY | TOTAL = | 779.3999 |
| FILE= 446 | TITLE=CF--NAVY | OFF | SUBM | ACIP | TOTAL = | 350.0000 |
| FILE= 447 | TITLE=CF--NAVY | OFF | SUBM | SUB PAY | TOTAL = | 3219.8499 |
| FILE= 448 | TITLE=CF--NAVY | OFF | SUBM | NUC ACC BONUS | TOTAL = | 4597.0078 |
| FILE= 449 | TITLE=CF--NAVY | OFF | SUBM | PCS(TRNG) | TOTAL = | 4246.7891 |
| FILE= 450 | TITLE=CF--NAVY | OFF | SUBM | PCS(ORU) | TOTAL = | 7191.6367 |

NAMES OF COST FILES
 NUMBER OF CURRENTLY ACTIVE FILES IS 1115

| | | | |
|-----------|---------------------|------------------------------|-----------|
| FILE= 451 | TITLE=CF--NAVY OFF | SUBM AOCIP TOTAL = | 0.0 |
| FILE= 452 | TITLE=CF--NAVY OFF | LDO SEA PAY TOTAL = | 1571.8098 |
| FILE= 453 | TITLE=CF--NAVY OFF | LDO PREM SEA PAY TOTAL = | 702.9099 |
| FILE= 454 | TITLE=CF--NAVY OFF | LDO ACIP TOTAL = | 2615.0000 |
| FILE= 455 | TITLE=CF--NAVY OFF | LDO SUB PAY TOTAL = | 3519.1659 |
| FILE= 456 | TITLE=CF--NAVY OFF | LDO NUC ACC BONUS TOTAL = | 3203.1599 |
| FILE= 457 | TITLE=CF--NAVY OFF | LDO PCS(TRNG) TOTAL = | 5084.1289 |
| FILE= 458 | TITLE=CF--NAVY OFF | LDO PCS(ORU) TOTAL = | 8161.6562 |
| FILE= 459 | TITLE=CF--NAVY OFF | LDO AOCIP TOTAL = | 6328.5664 |
| FILE= 460 | TITLE=CF--NAVY OFF | URLGEN SEA PAY TOTAL = | 961.1099 |
| FILE= 461 | TITLE=CF--NAVY OFF | URLGEN PREM SEA PAY TOTAL = | 491.1099 |
| FILE= 462 | TITLE=CF--NAVY OFF | URLGEN ACIP TOTAL = | 1328.5698 |
| FILE= 463 | TITLE=CF--NAVY OFF | URLGEN SUB PAY TOTAL = | 1175.0000 |
| FILE= 464 | TITLE=CF--NAVY OFF | URLGEN NUC ACC BONUS TOTAL = | 0.0 |
| FILE= 465 | TITLE=CF--NAVY OFF | URLGEN PCS(TRNG) TOTAL = | 3547.5398 |
| FILE= 466 | TITLE=CF--NAVY OFF | URLGEN PCS(ORU) TOTAL = | 5639.1172 |
| FILE= 467 | TITLE=CF--NAVY OFF | URLGEN AOCIP TOTAL = | 0.0 |
| FILE= 468 | TITLE=CF--NAVY OFF | RLST SEA PAY TOTAL = | 1220.4900 |
| FILE= 469 | TITLE=CF--NAVY OFF | RLST PREM SEA PAY TOTAL = | 626.9900 |
| FILE= 470 | TITLE=CF--NAVY OFF | RLST ACIP TOTAL = | 4326.7500 |
| FILE= 471 | TITLE=CF--NAVY OFF | RLST SUB PAY TOTAL = | 1807.6895 |
| FILE= 472 | TITLE=CF--NAVY OFF | RLST NUC ACC BONUS TOTAL = | 0.0 |
| FILE= 473 | TITLE=CF--NAVY OFF | RLST PCS(TRNG) TOTAL = | 4182.9883 |
| FILE= 474 | TITLE=CF--NAVY OFF | RLST PCS(ORU) TOTAL = | 8433.0195 |
| FILE= 475 | TITLE=CF--NAVY OFF | RLST AOCIP TOTAL = | 4977.0000 |
| FILE= 476 | TITLE=CF--NAVY OFF | TOTAL SEA PAY TOTAL = | 1610.3599 |
| FILE= 477 | TITLE=CF--NAVY OFF | TOTAL PREM SEA PAY TOTAL = | 685.4199 |
| FILE= 478 | TITLE=CF--NAVY OFF | TOTAL ACIP TOTAL = | 3213.5999 |
| FILE= 479 | TITLE=CF--NAVY OFF | TOTAL SUB PAY TOTAL = | 3119.5398 |
| FILE= 480 | TITLE=CF--NAVY OFF | TOTAL NUC ACC BONUS TOTAL = | 4478.0391 |
| FILE= 481 | TITLE=CF--NAVY OFF | TOTAL PCS(TRNG) TOTAL = | 3684.8098 |
| FILE= 482 | TITLE=CF--NAVY OFF | TOTAL PCS(ORU) TOTAL = | 7520.9766 |
| FILE= 483 | TITLE=CF--NAVY OFF | TOTAL AOCIP TOTAL = | 5959.5195 |
| FILE= 484 | TITLE=CF--NAVY WRT | SEA PAY TOTAL = | 2063.0000 |
| FILE= 485 | TITLE=CF--NAVY WRT | TOTAL PREM SEA PAY TOTAL = | 723.2100 |
| FILE= 486 | TITLE=CF--NAVY WRT | TOTAL ACIP TOTAL = | 1892.3098 |
| FILE= 487 | TITLE=CF--NAVY WRT | TOTAL SUB PAY TOTAL = | 2879.4700 |
| FILE= 488 | TITLE=CF--NAVY WRT | TOTAL NUC ACC BONUS TOTAL = | 3063.8899 |
| FILE= 489 | TITLE=CF--NAVY WRT | TOTAL PCS(TRNG) TOTAL = | 4239.1484 |
| FILE= 490 | TITLE=CF--NAVY WRT | TOTAL PCS(ORU) TOTAL = | 6016.6992 |
| FILE= 491 | TITLE=CF--NAVY WRT | TOTAL AOCIP TOTAL = | 5900.0000 |
| FILE= 492 | TITLE=ENT--NAVY OFF | LEGAL SEA PAY TOTAL = | 0.0079 |
| FILE= 493 | TITLE=ENT--NAVY OFF | LEGAL PREM SEA PAY TOTAL = | 0.0 |
| FILE= 494 | TITLE=ENT--NAVY OFF | LEGAL ACIP TOTAL = | 0.0011 |
| FILE= 495 | TITLE=ENT--NAVY OFF | LEGAL SUB PAY TOTAL = | 0.0 |
| FILE= 496 | TITLE=ENT--NAVY OFF | LEGAL NUC ACC BONUS TOTAL = | 0.0 |
| FILE= 497 | TITLE=ENT--NAVY OFF | LEGAL PCS(TRNG) TOTAL = | 0.0340 |
| FILE= 498 | TITLE=ENT--NAVY OFF | LEGAL PCS(ORU) TOTAL = | 0.2322 |
| FILE= 499 | TITLE=ENT--NAVY OFF | LEGAL AOCIP TOTAL = | 0.0 |
| FILE= 500 | TITLE=ENT--NAVY OFF | CHAPLAIN SEA PAY TOTAL = | 0.0812 |

NAMES OF COST FILES
NUMBER OF CURRENTLY ACTIVE FILES IS 1115

FILE= 501 TITLE=ENT--NAVY OFF CHAPLAIN PREM SEA PAY TOTAL = 0.0 0.0011
FILE= 502 TITLE=ENT--NAVY OFF CHAPLAIN ACIP TOTAL = 0.0 0.0033
FILE= 503 TITLE=ENT--NAVY OFF CHAPLAIN SUB PAY TOTAL = 0.0033 0.0
FILE= 504 TITLE=ENT--NAVY OFF CHAPLAIN NUC ACC BONUS TOTAL = 0.0549 0.0
FILE= 505 TITLE=ENT--NAVY OFF CHAPLAIN PCS(TRNG) TOTAL = 0.3248
FILE= 506 TITLE=ENT--NAVY OFF CHAPLAIN PCS(ORU) TOTAL = 0.0
FILE= 507 TITLE=ENT--NAVY OFF CHAPLAIN AACP TOTAL = 0.0052
FILE= 508 TITLE=ENT--NAVY OFF PHYS SEA PAY TOTAL = 0.0829 0.0
FILE= 509 TITLE=ENT--NAVY OFF PHYS PREM SEA PAY TOTAL = 0.0031
FILE= 510 TITLE=ENT--NAVY OFF PHYS ACIP TOTAL = 0.0031
FILE= 511 TITLE=ENT--NAVY OFF PHYS SUB PAY TOTAL = 0.0
FILE= 512 TITLE=ENT--NAVY OFF PHYS NUC ACC BONUS TOTAL = 0.1251
FILE= 513 TITLE=ENT--NAVY OFF PHYS PCS(TRNG) TOTAL = 0.1272
FILE= 514 TITLE=ENT--NAVY OFF PHYS PCS(ORU) TOTAL = 0.0193
FILE= 515 TITLE=ENT--NAVY OFF PHYS AACP TOTAL = 0.0
FILE= 516 TITLE=ENT--NAVY OFF DENT SEA PAY TOTAL = 0.0
FILE= 517 TITLE=ENT--NAVY OFF DENT PREM SEA PAY TOTAL = 0.0
FILE= 518 TITLE=ENT--NAVY OFF DENT ACIP TOTAL = 0.0
FILE= 519 TITLE=ENT--NAVY OFF DENT SUB PAY TOTAL = 0.0
FILE= 520 TITLE=ENT--NAVY OFF DENT NUC ACC BONUS TOTAL = 0.0443
FILE= 521 TITLE=ENT--NAVY OFF DENT PCS(TRNG) TOTAL = 0.2391
FILE= 522 TITLE=ENT--NAVY OFF DENT PCS(ORU) TOTAL = 0.0004
FILE= 523 TITLE=ENT--NAVY OFF DENT AACP TOTAL = 0.0
FILE= 524 TITLE=ENT--NAVY OFF NURSE SEA PAY TOTAL = 0.0
FILE= 525 TITLE=ENT--NAVY OFF NURSE PREM SEA PAY TOTAL = 0.0
FILE= 526 TITLE=ENT--NAVY OFF NURSE ACIP TOTAL = 0.0
FILE= 527 TITLE=ENT--NAVY OFF NURSE SUB PAY TOTAL = 0.0
FILE= 528 TITLE=ENT--NAVY OFF NURSE NUC ACC BONUS TOTAL = 0.0301
FILE= 529 TITLE=ENT--NAVY OFF NURSE PCS(TRNG) TOTAL = 0.2621
FILE= 530 TITLE=ENT--NAVY OFF NURSE PCS(ORU) TOTAL = 0.0054
FILE= 531 TITLE=ENT--NAVY OFF NURSE AACP TOTAL = 0.0515
FILE= 532 TITLE=ENT--NAVY OFF MSC SEA PAY TOTAL = 0.0016
FILE= 533 TITLE=ENT--NAVY OFF MSC PREM SEA PAY TOTAL = 0.0
FILE= 534 TITLE=ENT--NAVY OFF MSC ACIP TOTAL = 0.0282
FILE= 535 TITLE=ENT--NAVY OFF MSC SUB PAY TOTAL = 0.2863
FILE= 536 TITLE=ENT--NAVY OFF MSC NUC ACC BONUS TOTAL = 0.0894
FILE= 537 TITLE=ENT--NAVY OFF MSC PCS(TRNG) TOTAL = 0.0043
FILE= 538 TITLE=ENT--NAVY OFF MSC PCS(ORU) TOTAL = 0.0004
FILE= 539 TITLE=ENT--NAVY OFF MSC AACP TOTAL = 0.1554
FILE= 540 TITLE=ENT--NAVY OFF PILOTS SEA PAY TOTAL = 0.1989
FILE= 541 TITLE=ENT--NAVY OFF PILOTS PREM SEA PAY TOTAL = 0.3226
FILE= 542 TITLE=ENT--NAVY OFF PILOTS ACIP TOTAL = 0.1008
FILE= 543 TITLE=ENT--NAVY OFF PILOTS SUB PAY TOTAL = 0.0030
FILE= 544 TITLE=ENT--NAVY OFF PILOTS NUC ACC BONUS TOTAL = 0.9708
FILE= 545 TITLE=ENT--NAVY OFF PILOTS PCS(TRNG) TOTAL = 0.0
FILE= 546 TITLE=ENT--NAVY OFF PILOTS PCS(ORU) TOTAL = 0.1554
FILE= 547 TITLE=ENT--NAVY OFF PILOTS AACP TOTAL = 0.3226
FILE= 548 TITLE=ENT--NAVY OFF NFO SEA PAY TOTAL = 0.1008
FILE= 549 TITLE=ENT--NAVY OFF NFO PREM SEA PAY TOTAL = 0.0030
FILE= 550 TITLE=ENT--NAVY OFF NFO ACIP TOTAL = 0.9708

NAMES OF COST FILES
NUMBER OF CURRENTLY ACTIVE FILES IS 1115

| | | | |
|-----------|---------------------|------------------------------|--------|
| FILE= 551 | TITLE=ENT--NAVY OFF | NFO SUB PAY TOTAL = | 0.0014 |
| FILE= 552 | TITLE=ENT--NAVY OFF | NFO NUC ACC BONUS TOTAL = | 0.0002 |
| FILE= 553 | TITLE=ENT--NAVY OFF | NFO PCS(TRNG) TOTAL = | 0.1416 |
| FILE= 554 | TITLE=ENT--NAVY OFF | NFO PCS(ORU) TOTAL = | 0.1977 |
| FILE= 555 | TITLE=ENT--NAVY OFF | NFO AACP TOTAL = | 0.3484 |
| FILE= 556 | TITLE=ENT--NAVY OFF | SHO SEA PAY TOTAL = | 0.2771 |
| FILE= 557 | TITLE=ENT--NAVY OFF | SHO PREM SEA PAY TOTAL = | 0.0866 |
| FILE= 558 | TITLE=ENT--NAVY OFF | SHO ACIP TOTAL = | 0.0047 |
| FILE= 559 | TITLE=ENT--NAVY OFF | SHO SUB PAY TOTAL = | 0.0041 |
| FILE= 560 | TITLE=ENT--NAVY OFF | SHO NUC ACC BONUS TOTAL = | 0.0307 |
| FILE= 561 | TITLE=ENT--NAVY OFF | SHO PCS(TRNG) TOTAL = | 0.1146 |
| FILE= 562 | TITLE=ENT--NAVY OFF | SHO PCS(ORU) TOTAL = | 0.2312 |
| FILE= 563 | TITLE=ENT--NAVY OFF | SHO AACP TOTAL = | 0.6001 |
| FILE= 564 | TITLE=ENT--NAVY OFF | SUBM SEA PAY TOTAL = | 0.2634 |
| FILE= 565 | TITLE=ENT--NAVY OFF | SUBM PREM SEA PAY TOTAL = | 0.0860 |
| FILE= 566 | TITLE=ENT--NAVY OFF | SUBM ACIP TOTAL = | 0.0004 |
| FILE= 567 | TITLE=ENT--NAVY OFF | SUBM SUB PAY TOTAL = | 0.8623 |
| FILE= 568 | TITLE=ENT--NAVY OFF | SUBM NUC ACC BONUS TOTAL = | 0.4742 |
| FILE= 569 | TITLE=ENT--NAVY OFF | SUBM PCS(TRNG) TOTAL = | 0.1516 |
| FILE= 570 | TITLE=ENT--NAVY OFF | SUBM PCS(ORU) TOTAL = | 0.1750 |
| FILE= 571 | TITLE=ENT--NAVY OFF | SUBM AACP TOTAL = | 0.0 |
| FILE= 572 | TITLE=ENT--NAVY OFF | LDO SEA PAY TOTAL = | 0.3809 |
| FILE= 573 | TITLE=ENT--NAVY OFF | LDO PREM SEA PAY TOTAL = | 0.0716 |
| FILE= 574 | TITLE=ENT--NAVY OFF | LDO ACIP TOTAL = | 0.0111 |
| FILE= 575 | TITLE=ENT--NAVY OFF | LDO SUB PAY TOTAL = | 0.1534 |
| FILE= 576 | TITLE=ENT--NAVY OFF | LDO NUC ACC BONUS TOTAL = | 0.0702 |
| FILE= 577 | TITLE=ENT--NAVY OFF | LDO PCS(TRNG) TOTAL = | 0.0147 |
| FILE= 578 | TITLE=ENT--NAVY OFF | LDO PCS(CRU) TOTAL = | 0.2499 |
| FILE= 579 | TITLE=ENT--NAVY OFF | LDO AACP TOTAL = | 0.0019 |
| FILE= 580 | TITLE=ENT--NAVY OFF | URLGEN SEA PAY TOTAL = | 0.0062 |
| FILE= 581 | TITLE=ENT--NAVY OFF | URLGEN PREM SEA PAY TOTAL = | 0.0021 |
| FILE= 582 | TITLE=ENT--NAVY OFF | URLGEN ACIP TOTAL = | 0.0024 |
| FILE= 583 | TITLE=ENT--NAVY OFF | URLGEN SUB PAY TOTAL = | 0.0042 |
| FILE= 584 | TITLE=ENT--NAVY OFF | URLGEN NUC ACC BONUS TOTAL = | 0.0 |
| FILE= 585 | TITLE=ENT--NAVY OFF | URLGEN PCS(TRNG) TOTAL = | 0.0405 |
| FILE= 586 | TITLE=ENT--NAVY OFF | URLGEN PCS(ORU) TOTAL = | 0.1996 |
| FILE= 587 | TITLE=ENT--NAVY OFF | URLGEN AACP TOTAL = | 0.0 |
| FILE= 588 | TITLE=ENT--NAVY OFF | RLST SEA PAY TOTAL = | 0.0877 |
| FILE= 589 | TITLE=ENT--NAVY OFF | RLST PRIM SEA PAY TOTAL = | 0.0051 |
| FILE= 590 | TITLE=ENT--NAVY OFF | RLST ACIP TOTAL = | 0.0363 |
| FILE= 591 | TITLE=ENT--NAVY OFF | RLST SUB PAY TOTAL = | 0.0332 |
| FILE= 592 | TITLE=ENT--NAVY OFF | RLST NUC ACC BONUS TOTAL = | 0.0 |
| FILE= 593 | TITLE=ENT--NAVY OFF | RLST PCS(TRNG) TOTAL = | 0.0818 |
| FILE= 594 | TITLE=ENT--NAVY OFF | RLST PCS(ORU) TOTAL = | 0.2538 |
| FILE= 595 | TITLE=ENT--NAVY OFF | RLST AACP TOTAL = | 0.0184 |
| FILE= 596 | TITLE=ENT--NAVY OFF | TOTAL SEA PAY TOTAL = | 0.1425 |
| FILE= 597 | TITLE=ENT--NAVY OFF | TOTAL PREM SEA PAY TOTAL = | 0.0309 |
| FILE= 598 | TITLE=ENT--NAVY OFF | TOTAL ACIP TOTAL = | 0.2762 |
| FILE= 599 | TITLE=ENT--NAVY OFF | TOTAL SUB PAY TOTAL = | 0.0810 |
| FILE= 600 | TITLE=ENT--NAVY OFF | TOTAL NUC ACC BONUS TOTAL = | 0.0465 |

NAMES OF COST FILES
 NUMBER OF CURRENTLY ACTIVE FILES IS 1115

| | | | |
|-----------|---------------------------------|-----------------------|----------------------|
| FILE= 601 | TITLE=ENT--NAVY OFF TOTAL | PCS(TRNG) TOTAL = | 0.1040 |
| FILE= 602 | TITLE=ENT--NAVY OFF TOTAL | PCS(ORU) TOTAL = | 0.2202 |
| FILE= 603 | TITLE=ENT--NAVY OFF TOTAL | ACCP TOTAL = | 0.0942 |
| FILE= 604 | TITLE=ENT--NAVY WRT TOTAL | SEA PAY TOTAL = | 0.3985 |
| FILE= 605 | TITLE=ENT--NAVY WRT TOTAL | PREM SEA PAY TOTAL = | 0.0628 |
| FILE= 606 | TITLE=ENT--NAVY WRT TOTAL | ACIP TOTAL = | 0.0042 |
| FILE= 607 | TITLE=ENT--NAVY WRT TOTAL | SUB PAY TOTAL = | 0.0494 |
| FILE= 608 | TITLE=ENT--NAVY WRT TOTAL | NJC ACC BONUS TOTAL = | 0.0118 |
| FILE= 609 | TITLE=ENT--NAVY WRT TOTAL | PCS(1RNG) TOTAL = | 0.0042 |
| FILE= 610 | TITLE=ENT--NAVY WRT TOTAL | PCS(ORU) TOTAL = | 0.1765 |
| FILE= 611 | TITLE=ENT--NAVY WRT TOTAL | ACCP TOTAL = | 0.0003 |
| FILE= 612 | TITLE=ARMY/OFF/OCCGRP: DEN | /PAY FACTOR: | SPECIAL ACCDU |
| FILE= 613 | TITLE=ARMY/OFF/OCCGRP: MED | /PAY FACTOR: | VARBL SPECIAL |
| FILE= 614 | TITLE=ARMY/OFF/OCCGRP: MED | /PAY FACTOR: | BOARD CERT |
| FILE= 615 | TITLE=ARMY/OFF/OCCGRP: MED | /PAY FACTOR: | ADD'L SPECIAL |
| FILE= 616 | TITLE=ARMY/OFF/OCCGRP: MED | /PAY FACTOR: | INCENT SPECIAL |
| FILE= 617 | TITLE=ARMY/OFF/OCCGRP: DEN | /PAY FACTOR: | CONTINUATION |
| FILE= 618 | TITLE=NAVY/OFF/OCCGRP: DEN | /PAY FACTOR: | SPECIAL |
| FILE= 619 | TITLE=NAVY/OFF/OCCGRP: MED | /PAY FACTOR: | VARBL SPECIAL |
| FILE= 620 | TITLE=NAVY/OFF/OCCGRP: MED | /PAY FACTOR: | BOARD CERT |
| FILE= 621 | TITLE=NAVY/OFF/OCCGRP: MED | /PAY FACTOR: | ADD'L SPECIAL |
| FILE= 622 | TITLE=NAVY/OFF/OCCGRP: MED | /PAY FACTOR: | INCENT SPECIAL |
| FILE= 623 | TITLE=NAVY/OFF/OCCGRP: DEN | /PAY FACTOR: | CONTINUATION |
| FILE= 624 | TITLE=USAF/OFF/OCCGRP: DEN | /PAY FACTOR: | SPECIAL |
| FILE= 625 | TITLE=USAF/OFF/OCCGRP: DEN | /PAY FACTOR: | CONTINUATION |
| FILE= 626 | TITLE=ARMY/OFF/OCCGRP: MED | /ENTITLEMENT: | BOARD CERT |
| FILE= 627 | TITLE=ARMY/OFF/OCCGRP: MED | /ENTITLEMENT: | ADD'L SPECIAL |
| FILE= 628 | TITLE=ARMY/OFF/OCCGRP: MED | /ENTITLEMENT: | INCENT SPECIAL |
| FILE= 629 | TITLE=ARMY/OFF/OCCGRP: DEN | /ENTITLEMENT: | CONTINUATION |
| FILE= 630 | TITLE=NAVY/OFF/OCCGRP: MED | /ENTITLEMENT: | BOARD CERT |
| FILE= 631 | TITLE=NAVY/OFF/OCCGRP: MED | /ENTITLEMENT: | SPECIAL ADD'L |
| FILE= 632 | TITLE=NAVY/OFF/OCCGRP: MED | /ENTITLEMENT: | SPECIAL INCENT |
| FILE= 633 | TITLE=NAVY/OFF/OCCGRP: DEN | /ENTITLEMENT: | SPECIAL CONTINUATION |
| FILE= 634 | TITLE=USAF/OFF/OCCGRP: MED | /ENTITLEMENT: | BOARD CERT |
| FILE= 635 | TITLE=USAF/OFF/OCCGRP: MED | /ENTITLEMENT: | SPECIAL ADD'L |
| FILE= 636 | TITLE=USAF/OFF/OCCGRP: MED | /ENTITLEMENT: | SPECIAL INCENT |
| FILE= 637 | TITLE=USAF/OFF/OCCGRP: DEN | /ENTITLEMENT: | SPECIAL CONTINUATION |
| FILE= 638 | TITLE=ARMY/ENL/OCCGRP: 00XX/PAY | FACTOR: | ENLISTMENT BONUS |
| FILE= 639 | TITLE=ARMY/ENL/OCCGRP: 01XX/PAY | FACTOR: | ENLISTMENT BONUS |
| FILE= 640 | TITLE=ARMY/ENL/OCCGRP: 02XX/PAY | FACTOR: | ENLISTMENT BONUS |
| FILE= 641 | TITLE=ARMY/ENL/OCCGRP: 03XX/PAY | FACTOR: | ENLISTMENT BONUS |
| FILE= 642 | TITLE=ARMY/ENL/OCCGRP: 04XX/PAY | FACTOR: | ENLISTMENT BONUS |
| FILE= 643 | TITLE=ARMY/ENL/OCCGRP: 05XX/PAY | FACTOR: | ENLISTMENT BONUS |
| FILE= 644 | TITLE=ARMY/ENL/OCCGRP: 06XX/PAY | FACTOR: | ENLISTMENT BONUS |
| FILE= 645 | TITLE=ARMY/ENL/OCCGRP: 07XX/PAY | FACTOR: | ENLISTMENT BONUS |
| FILE= 646 | TITLE=ARMY/ENL/OCCGRP: 08XX/PAY | FACTOR: | ENLISTMENT BONUS |
| FILE= 647 | TITLE=ARMY/ENL/OCCGRP: 09XX/PAY | FACTOR: | ENLISTMENT BONUS |
| FILE= 648 | TITLE=NAVY/ENL/OCCGRP: 00XX/PAY | FACTOR: | ENLISTMENT BONUS |
| FILE= 649 | TITLE=NAVY/ENL/OCCGRP: 01XX/PAY | FACTOR: | ENLISTMENT BONUS |
| FILE= 650 | TITLE=NAVY/ENL/OCCGRP: 02XX/PAY | FACTOR: | ENLISTMENT BONUS |

NAMES OF COST FILES
 NUMBER OF CURRENTLY ACTIVE FILES IS 1115

| | | | |
|-----------|---|---------|------------------|
| FILE= 651 | TITLE=NAVY/ENL/OCCGRP:03XX/PAY | FACTOR: | ENLISTMENT BONUS |
| FILE= 652 | TITLE=NAVY/ENL/OCCGRP:04XX/PAY | FACTOR: | ENLISTMENT BONUS |
| FILE= 653 | TITLE=NAVY/ENL/OCCGRP:05XX/PAY | FACTOR: | ENLISTMENT BONUS |
| FILE= 654 | TITLE=NAVY/ENL/OCCGRP:06XX/PAY | FACTOR: | ENLISTMENT BONUS |
| FILE= 655 | TITLE=NAVY/ENL/OCCGRP:07XX/PAY | FACTOR: | ENLISTMENT BONUS |
| FILE= 656 | TITLE=NAVY/ENL/OCCGRP:08XX/PAY | FACTOR: | ENLISTMENT BONUS |
| FILE= 657 | TITLE=NAVY/ENL/OCCGRP:09XX/PAY | FACTOR: | ENLISTMENT BONUS |
| FILE= 658 | TITLE=USAF/ENL/OCCGRP:02XX/PAY | FACTOR: | ENLISTMENT BONUS |
| FILE= 659 | TITLE=USAF/ENL/OCCGRP:04XX/PAY | FACTOR: | ENLISTMENT BONUS |
| FILE= 660 | TITLE=USAF/ENL/OCCGRP:06XX/PAY | FACTOR: | ENLISTMENT BONUS |
| FILE= 661 | TITLE=USAF/ENL/OCCGRP:09XX/PAY | FACTOR: | ENLISTMENT BONUS |
| FILE= 662 | TITLE=ARMY/ENL/OCCGRP:00XX/ENTITLEMENT: | | ENLISTMENT BONUS |
| FILE= 663 | TITLE=ARMY/ENL/OCCGRP:01XX/ENTITLEMENT: | | ENLISTMENT BONUS |
| FILE= 664 | TITLE=ARMY/ENL/OCCGRP:02XX/ENTITLEMENT: | | ENLISTMENT BONUS |
| FILE= 665 | TITLE=ARMY/ENL/OCCGRP:03XX/ENTITLEMENT: | | ENLISTMENT BONUS |
| FILE= 666 | TITLE=ARMY/ENL/OCCGRP:04XX/ENTITLEMENT: | | ENLISTMENT BONUS |
| FILE= 667 | TITLE=ARMY/ENL/OCCGRP:05XX/ENTITLEMENT: | | ENLISTMENT BONUS |
| FILE= 668 | TITLE=ARMY/ENL/OCCGRP:06XX/ENTITLEMENT: | | ENLISTMENT BONUS |
| FILE= 669 | TITLE=ARMY/ENL/OCCGRP:07XX/ENTITLEMENT: | | ENLISTMENT BONUS |
| FILE= 670 | TITLE=ARMY/ENL/OCCGRP:08XX/ENTITLEMENT: | | ENLISTMENT BONUS |
| FILE= 671 | TITLE=ARMY/ENL/OCCGRP:09XX/ENTITLEMENT: | | ENLISTMENT BONUS |
| FILE= 672 | TITLE=NAVY/ENL/OCCGRP:00XX/ENTITLEMENT: | | ENLISTMENT BONUS |
| FILE= 673 | TITLE=NAVY/ENL/OCCGRP:01XX/ENTITLEMENT: | | ENLISTMENT BONUS |
| FILE= 674 | TITLE=NAVY/ENL/OCCGRP:02XX/ENTITLEMENT: | | ENLISTMENT BONUS |
| FILE= 675 | TITLE=NAVY/ENL/OCCGRP:03XX/ENTITLEMENT: | | ENLISTMENT BONUS |
| FILE= 676 | TITLE=NAVY/ENL/OCCGRP:04XX/ENTITLEMENT: | | ENLISTMENT BONUS |
| FILE= 677 | TITLE=NAVY/ENL/OCCGRP:05XX/ENTITLEMENT: | | ENLISTMENT BONUS |
| FILE= 678 | TITLE=NAVY/ENL/OCCGRP:06XX/ENTITLEMENT: | | ENLISTMENT BONUS |
| FILE= 679 | TITLE=NAVY/ENL/OCCGRP:07XX/ENTITLEMENT: | | ENLISTMENT BONUS |
| FILE= 680 | TITLE=NAVY/ENL/OCCGRP:08XX/ENTITLEMENT: | | ENLISTMENT BONUS |
| FILE= 681 | TITLE=NAVY/ENL/OCCGRP:09XX/ENTITLEMENT: | | ENLISTMENT BONUS |
| FILE= 682 | TITLE=USAF/ENL/OCCGRP:02XX/ENTITLEMENT: | | ENLISTMENT BONUS |
| FILE= 683 | TITLE=USAF/ENL/OCCGRP:04XX/ENTITLEMENT: | | ENLISTMENT BONUS |
| FILE= 684 | TITLE=USAF/ENL/OCCGRP:06XX/ENTITLEMENT: | | ENLISTMENT BONUS |
| FILE= 685 | TITLE=USAF/ENL/OCCGRP:09XX/ENTITLEMENT: | | ENLISTMENT BONUS |
| FILE= 686 | TITLE=CF USMC ACIP, PILOTS & NFO | | |
| FILE= 687 | TITLE=ENT USMC ACIP, PILOTS & NFO | | |
| FILE= 688 | TITLE=CF--USMC AACP, PILOTS & NFO | | |
| FILE= 689 | TITLE=ENT--USMC AACP, PILOTS | | |
| FILE= 690 | TITLE=ENT--USMC AACP, NFO | | |
| FILE= 691 | TITLE=CF--USMC SRB, ALL CATEGORIES | | |
| FILE= 692 | TITLE=ENT--USMC SRB, OCC = 00 | | |
| FILE= 693 | TITLE=ENT--USMC SRB, OCC = 01 | | |
| FILE= 694 | TITLE=ENT--USMC SRB, OCC = 02 | | |
| FILE= 695 | TITLE=ENT--USMC SRB, OCC = 04 | | |
| FILE= 696 | TITLE=ENT--USMC SRB, OCC = 05 | | |
| FILE= 697 | TITLE=ENT--USMC SRB, OCC = 06 | | |
| FILE= 698 | TITLE=ENT--USMC SRB, OCC = 07 | | |
| FILE= 699 | TITLE=ENT--USMC SRB, OCC = 08 | | |
| FILE= 700 | TITLE=ENT--USMC SRB, OCC = 09 | | |

NAMES OF COST FILES
NUMBER OF CURRENTLY ACTIVE FILES IS 1115

FILE= 701 TITLE=ENT--ARMY ACIP, OFF PLT
FILE= 702 TITLE=CF--ARMY ACIP, OFF PLT
FILE= 703 TITLE=ENT--ARMY ACIP, WRT PLT
FILE= 704 TITLE=CF--ARMY ACIP, WRT PLT
FILE= 705 TITLE=ENT--ARMY SRB, OCC = 00
FILE= 706 TITLE=ENT--ARMY SRB, OCC = C1
FILE= 707 TITLE=ENT--ARMY SRB, OCC = 02
FILE= 708 TITLE=ENT--ARMY SRB, OCC = 03
FILE= 709 TITLE=ENT--ARMY SRB, OCC = 04
FILE= 710 TITLE=ENT--ARMY SRB, OCC = 05
FILE= 711 TITLE=ENT--ARMY SRB, OCC = 06
FILE= 712 TITLE=ENT--ARMY SRB, OCC = 07
FILE= 713 TITLE=ENT--ARMY SRB, OCC = 08
FILE= 714 TITLE=CF--ARMY SRB, OCC = 00
FILE= 715 TITLE=CF--ARMY SRB, OCC = 01
FILE= 716 TITLE=CF--ARMY SRB, OCC = 02
FILE= 717 TITLE=CF--ARMY SRB, OCC = 03
FILE= 718 TITLE=CF--ARMY SRB, OCC = 04
FILE= 719 TITLE=CF--ARMY SRB, OCC = 05
FILE= 720 TITLE=CF--ARMY SRB, OCC = 06
FILE= 721 TITLE=CF--ARMY SRB, OCC = 07
FILE= 722 TITLE=CF--ARMY SRB, OCC = 08
FILE= 723 TITLE=CF--USAF ENL SRB, ALL CATEGORIES
FILE= 724 TITLE=ENT--USAF ENL SRB, ALL CATEGORIES
FILE= 725 TITLE=CF--USAF ACIP, PILGTS & NAVS
FILE= 726 TITLE=CF--AF ENL VAR 1ST COST FOR OCC=07 (\$4260)
FILE= 727 TITLE=CF--AF ENL VAR 1ST COST FOR OCC=08 (\$3121)
FILE= 728 TITLE=ENT--USAF VET SPCL PAY
FILE= 729 TITLE=ENT--USAF OPTOMETRIST SPCL PAY
FILE= 730 TITLE=ENT--NAVY OPTOMETRIST SPCL PAY
FILE= 731 TITLE=CF--OPTOMETRIST, VETERINARIAN SPECIAL PAY (\$100/MONTH)
FILE= 732 TITLE=CF--NUC ACCESSION BONUS (\$6000--2 \$3000 PAYMENTS)
FILE= 733 TITLE=CF--USAF OFF ESCCP (\$5033 FOR YOS=5-11)
FILE= 734 TITLE=CF--USMC 1ST COST ENL FOR OCC=00 (\$2770)
FILE= 735 TITLE=CF--USMC ENL 1ST COST FOR OCC=05XX (\$3068)
FILE= 736 TITLE=CF--USMC ENL 1ST COST FOR OCC=04XX (\$7512)
FILE= 737 TITLE=CF--USMC ENL 1ST COST FOR OCC=02XX (\$8851)
FILE= 738 TITLE=CF--USMC ENL 1ST COST FOR OCC=01XX (\$17038)
FILE= 739 TITLE=CF--NAVY OFF INC PAY (\$6000/YEAR)
FILE= 740 TITLE=ENT--NAVY NUC INC PAY FOR SUB OFFICERS
FILE= 741 TITLE=ENT--NAVY NUC INC PAY FOR SURF OFFICERS
FILE= 742 TITLE=ENT--USAF OFF ESCCP (.2595 FOR YOS=5-11)
FILE= 743 TITLE=CF--USAF/OCCGRP:MED /PAY FACTOR: VABRL SPECIAL
FILE= 744 TITLE=CF--USAF/OCCGRP:MED /PAY FACTOR: BOARD CERT
FILE= 745 TITLE=CF--USAF/OCCGRP:MED /PAY FACTOR: ADD'L SPECIAL
FILE= 746 TITLE=CF--USAF/OCCGRP:MED /PAY FACTOR: INCENTIVE
FILE= 747 TITLE=ENT--ARMY OPTOMETRIST SPECIAL PAY (IN MSC CATEGORY)
FILE= 748 TITLE=C --BASIC PAY, OFFICER, 1 OCT 1981, CAPPED AT \$4176.00
FILE= 749 TITLE=CF--BASIC PAY, WARRANT, 1 OCT 1981
FILE= 750 TITLE=CF--BASIC PAY, ENLISTED, 1 OCT 1981, E-8/9 GRADES FILLED IN

NAMES OF COST FILES
 NUMBER OF CURRENTLY ACTIVE FILES IS 1115

FILE= 751 TITLE=ENLISTED RETIREE DEATH RATES, NON-DISABILITY
 FILE= 752 TITLE=OFFICER RETIREE DEATH RATES, NON-DISABILITY
 FILE= 753 TITLE=OFFICER ND RET PAY 5% EAGE=23 PPSSCC W/6% REDUCTION
 FILE= 754 TITLE=CF--WRT ND RET PAY 5% EAGE=20 6%RED PPSSCC
 FILE= 755 TITLE=CF--ENL ND RET PAY 5% EAGE=19 PPSSCC 6% RED
 FILE= 756 TITLE=CF--OFF VESTING UNDER PPSSCC 24A, EVERYONE TAKES AT 55
 FILE= 757 TITLE=CF--ENL VESTING UNDER PPSSCC 24A, EVERYONE TAKES AT 55
 FILE= 758 TITLE=CF--WRT VESTING UNDER PPSSCC 24A, EVERYONE TAKES AT 55
 FILE= 759 TITLE=CF--OFF VESTING PPSSCC 24A 3%DECR
 FILE= 760 TITLE=CF--WRT VESTING OPT24A D'CCR 3%
 FILE= 761 TITLE=CF--ENL VESTINGOPT 24A DECR=3%
 FILE= 762 TITLE=CF--OFF VESTING OPT 24A FULL AT AGE65
 FILE= 763 TITLE=CF--WRT VESTING OPT 24A FULL AT AGE=65
 FILE= 764 TITLE=CF--ENL VESTING OPT 24A FULL ATAGE=65
 FILE= 765 TITLE=CF--OFF ND OPT 24A DECR 3%
 FILE= 766 TITLE=CF--WRT NDIS OPT 24A DECR 3%
 FILE= 767 TITLE=CF--ENL NDIS OPT 24A DECR 3%
 FILE= 768 TITLE=CF--OFF NDIS RETPAY OPT 24A DELAY TO 30YOS
 FILE= 769 TITLE=CF--WRT NDIS RETPAY OPT 24A DELAY TO 30 YOS
 FILE= 770 TITLE=CF--ENL NDIS RETPAY OPT 24A DELAY TO 30 YOS
 FILE= 771 TITLE=CF--OFF NDISRETPAY CURRENT SYSTEM HI-3
 FILE= 772 TITLE=CF--WRT NDIS RET PAY--CURR SYSTEM, HI-3
 FILE= 773 TITLE=CF--ENL NDIS RET PAY--CURR SYSTEM, HI-3
 FILE= 774 TITLE=CF--OFF DIS RET PAY CURR SYSTEM HI-3
 FILE= 775 TITLE=CF--WRT DIS RET PAY, CURR SYS HI-3
 FILE= 776 TITLE=CF--ENL DIS RET PAY, CURR SYS HI-3
 FILE= 777 TITLE=CF--TOTAL VHA, USMC ENLISTED (CORRECTED)
 FILE= 778 TITLE=CF--USMC SRB, ALL CATEGORIES
 FILE= 779 TITLE=CF--NAVY OFF VAR 1ST FOR SMO=\$18,555 (REVISED 22 JULY)
 FILE= 780 TITLE=CF--NAVY OFF VAR 1ST COST FOR SUBM=\$49,152 (REVISED 22 JULY)
 FILE= 781 TITLE=ENT--USMC AACP, MEO
 FILE= 782 TITLE=CF--OFF NDIS--1.75/3.0 FULLY INDEXED SHS4
 FILE= 783 TITLE=CF--WRT NDIS--1.75/3.0 FULLY INDEXED SHS4
 FILE= 784 TITLE=CF--ENL NDIS--1.75/3.0 FULLY INDEXED SHS4
 FILE= 785 TITLE=CF--OFF VSTG--VESTING AT 15, PAYABLE AT 60, 1.75%/3.0%
 FILE= 786 TITLE=CF--WRT VSTG--VESTING AT 15, PAYABLE AT 60, 1.75%/3.0%
 FILE= 787 TITLE=CF--ENL VSTG--VESTING AT 15, PAYABLE AT 60, 1.75%/3.0%
 FILE= 788 TITLE=CF--OFF DISB/DISABILITY RETIRED PAY CURRENT SYSTEM HIGH-0 57% MINIMUM
 FILE= 789 TITLE=CF--WRT DISB/DISABILITY RETIRED PAY CURRENT SYSTEM HIGH-0 57% MINIMUM
 FILE= 790 TITLE=CF--ENL DISB/DISABILITY RETIRED PAY CURRENT SYSTEM HIGH-0 57% MINIMUM
 FILE= 791 TITLE=CF--OFF DISB--DISABILITY HIGH-3 MINIMUM 57%
 FILE= 792 TITLE=CF--WRT DISB--DISABILITY HIGH-3 MINIMUM 57%
 FILE= 793 TITLE=CF--ENL DISB--DISABILITY HIGH-3 MINIMUM 57%
 FILE= 794 TITLE=CF--WRT NDIS--CURRENT SYSTEM, TERM PAY, USING MY
 FILE= 795 TITLE=CF--WRT NDIS--CURRENT SYSTEM, TERM PAY, USING MY
 FILE= 796 TITLE=CF--ENL NDIS--CURRENT SYSTEM, TERM PAY, USING MY
 FILE= 797 TITLE=CF--OFF NDIS--CURRENT SYSTEM, HI-3, USING MY
 FILE= 798 TITLE=CF--WRT NDIS--CURRENT SYSTEM, HI-3, USING MY
 FILE= 799 TITLE=CF--ENL NDIS--CURRENT SYSTEM, HI-3, USING MY
 FILE= 800 TITLE=CF--OFF NDIS--PPSSCC 24A 6% PENALTY/YR SHORT OF 30

NAMES OF COST FILES
NUMBER OF CURRENTLY ACTIVE FILES IS 1115

FILE= 801 TITLE=CF--WRT NDIS--PPSSCC 24A 6% PENALTY/YR SHORT OF 30
FILE= 802 TITLE=CF--WRT NDIS--PPSSCC 24A 6% PENALTY/YR SHORT OF 30
FILE= 803 TITLE=CF--OFF NDIS--PPSSCC 24A 3% REDUCTION/YR SHORT OF 30
FILE= 804 TITLE=CF--WRT NDIS--PPSSCC 24A 3% REDUCTION/YR SHORT OF 30
FILE= 805 TITLE=CF--ENL NDIS--PPSSCC 24A 3% REDUCTION/YR SHORT OF 30
FILE= 806 TITLE=CF--OFF VSTG--PPSSCC 24A 6% REDUCTION/YR PRIOR TO 65--VESTING
FILE= 807 TITLE=CF--WRT VSTG--PPSSCC 24A 6% REDUCTION/YR PRIOR TO 65--VESTING
FILE= 808 TITLE=CF--ENL VSTG--PPSSCC 24A 6% REDUCTION/YR PRIOR TO 65--VESTING
FILE= 809 TITLE=CF--OFF VSTG--VESTING PPSSCC 24A 3% REDUCTION/YR PRIOR TO AGE=65
FILE= 810 TITLE=CF--WRT VSTG--VESTING PPSSCC 24A 3% REDUCTION/YR PRIOR TO AGE=65
FILE= 811 TITLE=CF--ENL VSTG--VESTING PPSSCC 24A 3% REDUCTION/YR PRIOR TO AGE=65
FILE= 812 TITLE=CF--OFF VSTG--VESTING, AT 12YOS PAYABLE AT 30--FULL INDEXING
FILE= 813 TITLE=CF--WRT VSTG--VESTING, AT 12YOS PAYABLE AT 30--FULL INDEXING
FILE= 814 TITLE=CF--ENL VSTG--VESTING, AT 12YOS PAYABLE AT 30--FULL INDEXING
FILE= 815 TITLE=CF--OFF NDIS--HI 3 W/50% COLA UNTIL AGE=62, FULL THEREAFTER
FILE= 816 TITLE=CF--WRT NDIS--HI 3 W/50% COLA UNTIL AGE=62, FULL THEREAFTER
FILE= 817 TITLE=CF--ENL NDIS--HI 3 W/50% COLA UNTIL AGE=62, FULL THEREAFTER
FILE= 818 TITLE=CF--OFF NDIS--30% REDUCTION TO CURRENT SYSTEM, HI-3, FULL INDEX
FILE= 819 TITLE=CF--WRT NDIS--30% REDUCTION TO CURRENT SYSTEM, HI-3, FULL INDEX
FILE= 820 TITLE=CF--ENL NDIS--30% REDUCTION TO CURRENT SYSTEM, HI-3, FULL INDEX
FILE= 821 TITLE=CF--OFF DISB--DISABILITY, PPSSCC 24A OPTION W/6% DECREMENT
FILE= 822 TITLE=CF--WRT DISB--DISABILITY, PPSSCC 24A OPTION W/6% DECREMENT
FILE= 823 TITLE=CF--ENL DISB--DISABILITY, PPSSCC 24A OPTION W/5% DECREMENT
FILE= 824 TITLE=CF--OFF DISB--DISABILITY, PPSSCC 24A OPTION W/3% DECREMENT
FILE= 825 TITLE=CF--WRT DISB--DISABILITY, PPSSCC 24A OPTION W/3% DECREMENT
FILE= 826 TITLE=CF--ENL DISB--DISABILITY, PPSSCC 24A OPTION W/3% DECREMENT
FILE= 827 TITLE=CF--OFF DISB--DISABILITY, 50% COLA UNTIL AGE=62, FULL AFTER
FILE= 828 TITLE=CF--WRT DISB--DISABILITY, 50% COLA UNTIL AGE=62, FULL AFTER
FILE= 829 TITLE=CF--ENL DISB--DISABILITY, 50% COLA UNTIL AGE=62, FULL AFTER
FILE= 830 TITLE=CF--OFF DISB--DISABILITY, CURR HI-3 LESS 30% (NOTE: MIN IS 57%)
FILE= 831 TITLE=CF--WRT DISB--DISABILITY, CURR HI-3 LESS 30% (NOTE: MIN IS 57%)
FILE= 832 TITLE=CF--ENL DISB--DISABILITY, CURR HI-3 LESS 30% (NOTE: MIN IS 57%)
FILE= 833 TITLE=CF--OFF DISB--DISABILITY, SHS4
FILE= 834 TITLE=CF--WRT DISB--DISABILITY, SHS4
FILE= 835 TITLE=CF--ENL DISB--DISABILITY, SHS4
FILE= 836 TITLE=CF--OFF DISB--DISABILITY, PPSSCC 6% DECREMENT
FILE= 837 TITLE=CF--WRT DISB--DISABILITY, PPSSCC 6% DECREMENT
FILE= 838 TITLE=CF--ENL DISB--DISABILITY, PPSSCC 6% DECREMENT
FILE= 839 TITLE=CF--OFF DISB--DISABILITY, PPSSCC 3% DECREMENT
FILE= 840 TITLE=CF--WRT DISB--DISABILITY, PPSSCC 3% DECREMENT
FILE= 841 TITLE=CF--ENL DISB--DISABILITY, PPSSCC 3% DECREMENT
FILE= 842 TITLE=CF--OFF DISB--DISABILITY, PARTIAL INDEXING 50% COLA UNTIL AGE 62
FILE= 843 TITLE=CF--WRT DISB--DISABILITY, PARTIAL INDEXING 50% COLA UNTIL AGE 62
FILE= 844 TITLE=CF--ENL DISB--DISABILITY, CURRENT SYSTEM LESS 30%
FILE= 845 TITLE=CF--OFF DISB--DISABILITY, CURRENT SYSTEM LESS 30%
FILE= 846 TITLE=CF--WRT DISB--DISABILITY, CURRENT SYSTEM LESS 30%
FILE= 847 TITLE=CF--ENL DISB--DISABILITY, CURRENT SYSTEM LESS 30%
FILE= 848 TITLE=CF--OFF DISB--DISABILITY, SHS 4
FILE= 849 TITLE=CF--WRT DISB--DISABILITY, SHS 4
FILE= 850 TITLE=CF--ENL DISB--DISABILITY, SHS 4

NAMES OF COST FILES
 NUMBER OF CURRENTLY ACTIVE FILES IS 1115

FILE= 851 TITLE=CF--BONUS (15% OF BASIC PAY)--OFFICER
 FILE= 852 TITLE=CF--BONUS (15% OF BASIC PAY)--WARRANT
 FILE= 853 TITLE=CF--BONUS (15% OF BASIC PAY)--ENLISTED
 FILE= 854 TITLE=CF--ENL BONUS,USAF AGGREGATE--\$39.00
 FILE= 855 TITLE=CF--ENL BONUS, NAVY AGGREGATE (\$103.00)
 FILE= 856 TITLE=CF--ENL BONUS, ARMY AGGREGATE (\$1051.00)
 FILE= 857 TITLE=CF--1ST VAR COST, NAVY ENL AGGREGATE (\$3283.00)
 FILE= 858 TITLE=CF--1ST VAR COST, ARMY ENL AGGREGATE (\$3294.00)
 FILE= 859 TITLE=CF--1ST VAR COST, USAF ENL AGGREGATE (\$4912.00)
 FILE= 860 TITLE=CF--1ST VAR COST, USMC ENL AGGREGATE (\$5788.00)
 FILE= 861 TITLE=CF--1ST VAR COST, ARMY WRT AGGREGATE (\$11245.00)
 FILE= 862 TITLE=CF--1ST VAR COST, ARMY WRT AGGREGATE (\$27388.00)
 FILE= 863 TITLE=CF--1ST VAR COST, USAF OFF AGGREGATE (\$81012.00)
 FILE= 864 TITLE=CF--1ST VAR COST, NAVY OFF AGGREGATE (\$256,616.00)
 FILE= 865 TITLE=CF--1ST VAR COST, USMC OFF AGGREGATE (\$265,347.00)
 FILE= 866 TITLE=CF--OFF NDISPPSSCC 2% OPTION
 FILE= 867 TITLE=CF--WRT NDISPPSSCC 2% OPTION
 FILE= 868 TITLE=CF--ENL NDISPPSSCC 2% OPTION
 FILE= 869 TITLE=CF--OFF DISB PPSSCC 2% OPTION, DISABILITY
 FILE= 870 TITLE=CF--WRT DISB PPSSCC 2% OPTION, DISABILITY
 FILE= 871 TITLE=CF--ENL DISB PPSSCC 2% OPTION, DISABILITY
 FILE= 872 TITLE=CF--OFF NDIS NON-DISABILITY, PPSSCC 4% OPTION
 FILE= 873 TITLE=CF--WRT NDIS NON-DISABILITY, PPSSCC 4% OPTION
 FILE= 874 TITLE=CF--ENL NDIS NON-DISABILITY, PPSSCC 4% OPTION
 FILE= 875 TITLE=CF--OFF DISB DISABILITY, PPSSCC 4% OPTION
 FILE= 876 TITLE=CF--WRT DISB DISABILITY, PPSSCC 4% OPTION
 FILE= 877 TITLE=CF--ENL DISB DISABILITY, PPSSCC 4% OPTION
 FILE= 878 TITLE=CF--OFF NDIS REDUCED COLA INDEXING UNTIL YOS=30 (33%)
 FILE= 879 TITLE=CF--WRT NDIS REDUCED COLA INDEXING UNTIL YOS=30 (33%)
 FILE= 880 TITLE=CF--OFF DISB REDUCED COLA INDEXING UNTIL YOS=30 (33%)
 FILE= 881 TITLE=CF--ENL DISB REDUCED COLA INDEXING UNTIL YOS=30 (33%)
 FILE= 882 TITLE=CF--WRT DISB REDUCED COLA INDEXING UNTIL YOS=30 (33%)
 FILE= 883 TITLE=CF--ENL DISB DISABILITY, 33% INDEXING UNTIL YOS=30
 FILE= 884 TITLE=CF--OFF NDIS CURR SYSTEM LESS 20%, NONDISABILITY
 FILE= 885 TITLE=CF--WRT NDIS CURR SYSTEM LESS 20%, NONDISABILITY
 FILE= 886 TITLE=CF--ENL NDIS CURR SYSTEM LESS 20%, NONDISABILITY
 FILE= 887 TITLE=CF--OFF DISB DISABILITY, CURR SYSTEM LESS 20%
 FILE= 888 TITLE=CF--WRT DISB DISABILITY, CURR SYSTEM LESS 20%
 FILE= 889 TITLE=CF--ENL DISB DISABILITY, CURR SYSTEM LESS 20%
 FILE= 890 TITLE=CF--OFF NDIS NON-DISABILITY, CURR SYSTEM LESS 40%
 FILE= 891 TITLE=CF--WRT NDIS NON-DISABILITY, CURR SYSTEM LESS 40%
 FILE= 892 TITLE=CF--ENL NDIS NON-DISABILITY, CURR SYSTEM LESS 40%
 FILE= 893 TITLE=CF--OFF DISB DISABILITY, CURR SYSTEM LESS 40%
 FILE= 894 TITLE=CF--WRT DISB DISABILITY, CURR SYSTEM LESS 40%
 FILE= 895 TITLE=CF--ENL DISB DISABILITY, CURR SYSTEM LESS 40%
 FILE= 896 TITLE=CF--OFF BONS--XMAS BONUS, 150% 0% 0%
 FILE= 897 TITLE=CF--WRT BONS--XMAS BONUS, 150% 0% 0%
 FILE= 898 TITLE=CF--ENL BONS--XMAS BONUS, 150% 0% 0%
 FILE= 899 TITLE=CF--OFF BONS--XMAS BONUS, 150% 25% 60%
 FILE= 900 TITLE=CF--WRT BONS--XMAS BONUS, 150% 25% 60%

NAKES OF COST FILES
NUMBER OF CURRENTLY ACTIVE FILES IS 1115

FILE= 901 TITLE=CF--ENL BONS--XMAS BONUS, 150% 25% 60%
FILE= 902 TITLE=CF--OFF BONS--XMAS BONUS, 150% 30% 70%
FILE= 903 TITLE=CF--WRT BONS--XMAS BONUS, 150% 30% 70%
FILE= 904 TITLE=CF--ENL BONS--XMAS BONUS, 150% 30% 70%
FILE= 905 TITLE=CF--OFF BONS--XMAS BONUS, 160% 0% 0%
FILE= 906 TITLE=CF--WRT BONS--XMAS BONUS, 160% 0% 0%
FILE= 907 TITLE=CF--ENL BONS--XMAS BONUS, 160% 0% 0%
FILE= 908 TITLE=CF--OFF BONS--XMAS BONUS, 160% 20% 40%
FILE= 909 TITLE=CF--WRT BONS--XMAS BONUS, 160% 20% 40%
FILE= 910 TITLE=CF--ENL BONS--XMAS BONUS, 160% 20% 40%
FILE= 911 TITLE=CF--OFF BONS--XMAS BONUS, 160% 25% 40%
FILE= 912 TITLE=CF--WRT BONS--XMAS BONUS, 160% 25% 40%
FILE= 913 TITLE=CF--ENL BONS--XMAS BONUS, 160% 25% 40%
FILE= 914 TITLE=CF--OFF BONS--XMAS BONUS, 160% 25% 40%
FILE= 915 TITLE=CF--WRT BONS--XMAS BONUS, 160% 30% 50%
FILE= 916 TITLE=CF--ENL BONS--XMAS BONUS, 160% 30% 50%
FILE= 917 TITLE=CF--OFF BONS--XMAS BONUS, 160% 30% 50%
FILE= 918 TITLE=CF--WRT BONS--XMAS BONUS, 210% 0% 0%
FILE= 919 TITLE=CF--ENL BONS--XMAS BONUS, 210% 0% 0%
FILE= 920 TITLE=CF--OFF BONS--XMAS BONUS, 210% 0% 0%
FILE= 921 TITLE=CF--WRT BONS--XMAS BONUS, 210% 50% 70%
FILE= 922 TITLE=CF--ENL BONS--XMAS BONUS, 210% 50% 70%
FILE= 923 TITLE=CF--OFF BONS--XMAS BONUS, 210% 50% 80%
FILE= 924 TITLE=CF--WRT BONS--XMAS BONUS, 210% 50% 80%
FILE= 925 TITLE=CF--ENL BONS--XMAS BONUS, 210% 50% 80%
FILE= 926 TITLE=CF--OFF BONS--XMAS BONUS, 270% 0% 0%
FILE= 927 TITLE=CF--WRT BONS--XMAS BONUS, 270% 0% 0%
FILE= 928 TITLE=CF--ENL BONS--XMAS BONUS, 270% 0% 0%
FILE= 929 TITLE=CF--OFF BONS--XMAS BONUS, 270% 70% 100%
FILE= 930 TITLE=CF--WRT BONS--XMAS BONUS, 270% 70% 100%
FILE= 931 TITLE=CF--ENL BONS--XMAS BONUS, 270% 70% 100%
FILE= 932 TITLE=CF--OFF BONS--XMAS BONUS, 160% 0% 40%
FILE= 933 TITLE=CF--WRT BONS--XMAS BONUS, 160% 0% 40%
FILE= 934 TITLE=CF--ENL BONS--XMAS BONUS, 160% 0% 40%
FILE= 935 TITLE=CF--OFF BONS--XMAS BONUS, 160% 0% 50%
FILE= 936 TITLE=CF--WRT BONS--XMAS BONUS, 160% 0% 50%
FILE= 937 TITLE=CF--ENL BONS--XMAS BONUS, 160% 0% 50%
FILE= 938 TITLE=CF--OFF BONS--XMAS BONUS, 160% 0% 60%
FILE= 939 TITLE=CF--WRT BONS--XMAS BONUS, 160% 0% 60%
FILE= 940 TITLE=CF--ENL BONS--XMAS BONUS, 160% 0% 60%
FILE= 941 TITLE=CF--OFF NDIS--33% COLA UNTIL AGE=62
FILE= 942 TITLE=CF--WRT NDIS--33% COLA UNTIL AGE=62
FILE= 943 TITLE=CF--ENL NDIS--33% COLA UNTIL AGE=62
FILE= 944 TITLE=CF--OFF DISB--33% COLA UNTIL AGE=62
FILE= 945 TITLE=CF--WRT DISB--33% COLA UNTIL AGE=62
FILE= 946 TITLE=CF--ENL DISB--33% COLA UNTIL AGE=62
FILE= 947 TITLE=CF--OFF NDIS--50% COLA UNTIL YOS=30
FILE= 948 TITLE=CF--WRT NDIS--50% COLA UNTIL YOS=30
FILE= 949 TITLE=CF--ENL NDIS--50% COLA UNTIL YOS=30
FILE= 950 TITLE=CF--OFF DISB--50% COLA UNTIL YOS=30

NAMES OF COST FILES
NUMBER OF CURRENTLY ACTIVE FILES IS 1115

FILE= 951 TITLE=CF--WRT DISB--50% COLA UNTIL YOS=30
FILE= 952 TITLE=CF--ENL DISB--50% COLA UNTIL YOS=30
FILE= 953 TITLE=CF--OFF BONS--BONUS--160% 40% 50%
FILE= 954 TITLE=CF--WRT BONS--BONUS--160% 40% 50%
FILE= 955 TITLE=CF--ENL BONS--BONUS--160% 40% 50%
FILE= 956 TITLE=CF--OFF BONS--BONUS--210% 60% 100%
FILE= 957 TITLE=CF--WRT BONS--BONUS--210% 60% 100%
FILE= 958 TITLE=CF--ENL BONS--BONUS--210% 60% 100%
FILE= 959 TITLE=CF--OFF BONS--BONUS--120% 0% 0%
FILE= 960 TITLE=CF--WRT BONS--BONUS--120% 0% 0%
FILE= 961 TITLE=CF--ENL BONS--BONUS--120% 0% 0%
FILE= 962 TITLE=CF--OFF BONS--BONUS 150% 25% 50%
FILE= 963 TITLE=CF--WRT BONS--BONUS 150% 25% 50%
FILE= 964 TITLE=CF--ENL BONS--BONUS 150% 25% 50%
FILE= 965 TITLE=CF--OFF BONS--BONUS--190% 0% 0%
FILE= 966 TITLE=CF--WRT BONS--BONUS--190% 0% 0%
FILE= 967 TITLE=CF--ENL BONS--BONUS--190% 0% 0%
FILE= 968 TITLE=CF--OFF BONS--BONUS--225% 0% 0%
FILE= 969 TITLE=CF--WRT BONS--BONUS--225% 0% 0%
FILE= 970 TITLE=CF--ENL BONS--BONUS--225% 0% 0%
FILE= 971 TITLE=CF--OFF BONS--BONUS--225% 50% 0%
FILE= 972 TITLE=CF--WRT BONS--BONUS--225% 50% 0%
FILE= 973 TITLE=CF--ENL BONS--BONUS--225% 50% 0%
FILE= 974 TITLE=CF--OFF BONS--BONUS--275% 0% 0%
FILE= 975 TITLE=CF--WRT BONS--BONUS--275% 0% 0%
FILE= 976 TITLE=CF--ENL BONS--BONUS--275% 0% 0%
FILE= 977 TITLE=CF--OFF BONS--BONUS--250% 0% 0%
FILE= 978 TITLE=CF--WRT BONS--BONUS--250% 0% 0%
FILE= 979 TITLE=CF--ENL BONS--BONUS--250% 0% 0%
FILE= 980 TITLE=CF--OFF BONS--BONUS--200% 0% 0%
FILE= 981 TITLE=CF--WRT BONS--BONUS--200% 0% 0%
FILE= 982 TITLE=CF--ENL BONS--BONUS--200% 0% 0%
FILE= 983 TITLE=CF--OFF BONS--BONUS--200% 50% 0%
FILE= 984 TITLE=CF--WRT BONS--BONUS--200% 50% 0%
FILE= 985 TITLE=CF--ENL BONS--BONUS--200% 50% 0%
FILE= 986 TITLE=CF--OFF MDIS--67% COLA UNTIL 30 YOS
FILE= 987 TITLE=CF--WRT MDIS--67% COLA UNTIL 30 YOS
FILE= 988 TITLE=CF--ENL MDIS--67% COLA UNTIL 30 YOS
FILE= 989 TITLE=CF--OFF DISB--67% COLA UNTIL 30 YOS
FILE= 990 TITLE=CF--WRT DISB--67% COLA UNTIL 30 YOS
FILE= 991 TITLE=CF--ENL DISB--67% COLA UNTIL 30 YOS
FILE= 992 TITLE=CF--OFF MDIS--67% COLA UNTIL AGE 62
FILE= 993 TITLE=CF--WRT MDIS--67% COLA UNTIL AGE 62
FILE= 994 TITLE=CF--ENL MDIS--67% COLA UNTIL AGE 62
FILE= 995 TITLE=CF--OFF DISB--67% COLA UNTIL AGE 62
FILE= 996 TITLE=CF--WRT DISB--67% COLA UNTIL AGE 62
FILE= 997 TITLE=CF--ENL DISB--67% COLA UNTIL AGE 62
FILE= 998 TITLE=CF--OFF MDIS--75% COLA UNTIL AGE 62
FILE= 999 TITLE=CF--WRT MDIS--75% COLA UNTIL AGE 62
FILE=1000 TITLE=CF--ENL MDIS--75% COLA UNTIL AGE 62

NAMES OF COST FILES
 NUMBER OF CURRENTLY ACTIVE FILES IS 1115

| | | | | |
|-----------|---------------|------------------------------|---|--|
| FILE=1001 | TITLE=CF--OFF | DISB--75% | COLA UNTIL AGE 62 | |
| FILE=1002 | TITLE=CF--WRT | DISB--75% | COLA UNTIL AGE 62 | |
| FILE=1003 | TITLE=CF--ENL | DISB--75% | COLA UNTIL AGE 62 | |
| FILE=1004 | TITLE=CF--OFF | NDIS--67% | COLA UNTIL 62; PEN 3% | |
| FILE=1005 | TITLE=CF--WRT | NDIS--67% | COLA UNTIL 62; PEN 3% | |
| FILE=1006 | TITLE=CF--ENL | NDIS--67% | COLA UNTIL 62; PEN 3% | |
| FILE=1007 | TITLE=CF--OFF | DISB--67% | COLA UNTIL 62 + 3% PENALTY | |
| FILE=1008 | TITLE=CF--WRT | DISB--67% | COLA UNTIL 62 + 3% PENALTY | |
| FILE=1009 | TITLE=CF--ENL | DISB--67% | COLA UNTIL 62 + 3% PENALTY | |
| FILE=1010 | TITLE=CF--OFF | NDIS--75% | COLA UNTIL 62 + 2% PENALTY | |
| FILE=1011 | TITLE=CF--WRT | NDIS--75% | COLA UNTIL 62 + 2% PENALTY | |
| FILE=1012 | TITLE=CF--ENL | NDIS--75% | COLA UNTIL 62 + 2% PENALTY | |
| FILE=1013 | TITLE=CF--OFF | DISB--75% | COLA UNTIL 62 + 2% PENALTY | |
| FILE=1014 | TITLE=CF--WRT | DISB--75% | COLA UNTIL 62 + 2% PENALTY | |
| FILE=1015 | TITLE=CF--ENL | DISB--75% | COLA UNTIL 62 + 2% PENALTY | |
| FILE=1016 | TITLE=CF--OFF | NDIS--75% | COLA UNTIL 62 + 3% PENALTY | |
| FILE=1017 | TITLE=CF--WRT | NDIS--75% | COLA UNTIL 62 + 3% PENALTY | |
| FILE=1018 | TITLE=CF--ENL | NDIS--75% | COLA UNTIL 62 + 3% PENALTY | |
| FILE=1019 | TITLE=CF--OFF | DISB--75% | COLA UNTIL 62 + 3% PENALTY | |
| FILE=1020 | TITLE=CF--WRT | DISB--75% | COLA UNTIL 62 + 3% PENALTY | |
| FILE=1021 | TITLE=CF--ENL | DISB--75% | COLA UNTIL 62 + 3% PENALTY | |
| FILE=1022 | TITLE=CF--OFF | VSTG--PPSSCC 6% | DELAY TO 65 | |
| FILE=1023 | TITLE=CF--WRT | VSTG--PPSSCC 6% | DELAY TO 65 | |
| FILE=1024 | TITLE=CF--ENL | VSTG--PPSSCC 6% | DELAY TO 65 | |
| FILE=1025 | TITLE=CF--OFF | NDIS--75% | COLA UNTIL 30 YOS | |
| FILE=1026 | TITLE=CF--WRT | NDIS--75% | COLA UNTIL 30 YOS | |
| FILE=1027 | TITLE=CF--ENL | NDIS--75% | COLA UNTIL 30 YOS | |
| FILE=1028 | TITLE=CF--OFF | DISB--75% | COLA UNTIL 30 YOS | |
| FILE=1029 | TITLE=CF--WRT | DISB--75% | COLA UNTIL 30 YOS | |
| FILE=1030 | TITLE=CF--ENL | DISB--75% | COLA UNTIL 30 YOS | |
| FILE=1031 | TITLE=CF--OFF | NDIS--2 STEP: 1% | PENALTY/YR PRIOR TO 30, RESTORED AT 30 | |
| FILE=1032 | TITLE=CF--WRT | NDIS--2 STEP: 1% | PENALTY/YR PRIOR TO 30, RESTORED AT 30 | |
| FILE=1033 | TITLE=CF--ENL | NDIS--2 STEP: 1% | PENALTY/YR PRIOR TO 30, RESTORED AT 30 | |
| FILE=1034 | TITLE=CF--OFF | DISB--2 STEP: 1% | PENALTY/YR PRIOR TO 30, RESTORED AT 30 | |
| FILE=1035 | TITLE=CF--WRT | DISB--2 STEP: 1% | PENALTY/YR PRIOR TO 30, RESTORED AT 30 | |
| FILE=1036 | TITLE=CF--ENL | DISB--2 STEP: 1% | PENALTY/YR PRIOR TO 30, RESTORED AT 30 | |
| FILE=1037 | TITLE=CF--OFF | NDIS--80% | COLA FOREVER | |
| FILE=1038 | TITLE=CF--WRT | NDIS--80% | COLA FOREVER | |
| FILE=1039 | TITLE=CF--ENL | NDIS--80% | COLA FOREVER | |
| FILE=1040 | TITLE=CF--OFF | DISB--80% | COLA FOREVER | |
| FILE=1041 | TITLE=CF--WRT | DISB--80% | COLA FOREVER | |
| FILE=1042 | TITLE=CF--ENL | DISB--80% | COLA FOREVER | |
| FILE=1043 | TITLE=CF--OFF | NDIS--1% | PTS/YR PENALTY PRIOR TO 30, RESTORE AT 30, 80% COLA F | |
| FILE=1044 | TITLE=CF--WRT | NDIS--1% | PTS/YR PENALTY PRIOR TO 30, RESTORE AT 30, 80% COLA F | |
| FILE=1045 | TITLE=CF--ENL | NDIS--1% | PTS/YR PENALTY PRIOR TO 30, RESTORE AT 30, 80% COLA F | |
| FILE=1046 | TITLE=CF--OFF | DISB--1% | PT PENALTY/YEAR, RESTORE AT 30, 80% COLA FOREVER | |
| FILE=1047 | TITLE=CF--WRT | DISB--1% | PT PENALTY/YEAR, RESTORE AT 30, 80% COLA FOREVER | |
| FILE=1048 | TITLE=CF--ENL | DISB--1% | PT PENALTY/YEAR, RESTORE AT 30, 80% COLA FOREVER | |
| FILE=1049 | TITLE=CF--OFF | BONS--XMAS BONUS--300% 0% 0% | | |
| FILE=1050 | TITLE=CF--WRT | BONS--XMAS BONUS--300% 0% 0% | | |

NAMES OF COST FILES
 NUMBER OF CURRENTLY ACTIVE FILES IS 1115

FILE=1051 TITLE=CF--ENL BONUS--XMAS BONUS--300% 0% 0%
 FILE=1052 TITLE=CF--ENL BONUS--\$5.00--ARMY OCC 05XX
 FILE=1053 TITLE=CF--ENL BONUS--\$6.00--USAF OCC 06XX
 FILE=1054 TITLE=CF--ENL BONUS--\$93.00--NAVY OCC 00XX
 FILE=1055 TITLE=CF--ENL BONUS--\$102.00--ARMY OCC 06XX
 FILE=1056 TITLE=CF--ENL BONUS--\$140.00--NAVY OCC 01XX
 FILE=1057 TITLE=CF--ENL BONUS--\$174.00--ARMY OCC 01XX
 FILE=1058 TITLE=CF--ENL BONUS--\$176.00--NAVY OCC 02XX & 06XX
 FILE=1059 TITLE=CF--ENL BONUS--\$181.00--USAF OCC 04XX
 FILE=1060 TITLE=CF--ENL BONUS--\$373.00--USAF OCC 02XX
 FILE=1061 TITLE=CF--ENL BONUS--\$576.00--ARMY OCC 04XX
 FILE=1062 TITLE=CF--ENL BONUS--\$2010.00--ARMY OCC 02XX
 FILE=1063 TITLE=CF--ENL BONUS--\$2856.00--ARMY OCC 00XX
 FILE=1064 TITLE=EMT--NAVY SUB OFFICER NUC ACC BONUS (26.5%--DERIVED, USE W/\$6000)
 FILE=1065 TITLE=CF--OFF NDIS--USAF OPT:2STEP, 12PT DEC BEFORE 30, RESTORED, 90%COLA-62,
 FILE=1066 TITLE=CF--WRT NDIS--USAF OPT:2STEP, 12PT DEC BEFORE 30, RESTORED, 90%COLA-62,
 FILE=1067 TITLE=CF--OFF NDIS--USAF OPT:2STEP, 12PT DEC BEFORE 30, RESTORED, 90%COLA-62,
 FILE=1068 TITLE=CF--WRT NDIS--USAF OPT:2STEP-1PP PRIOR 30, RESTORED, 90%COLA, SS OFFSET
 FILE=1069 TITLE=CF--WRT NDIS--USAF OPT:2STEP-1PP PRIOR 30, RESTORED, 90%COLA, SS OFFSET
 FILE=1070 TITLE=CF--ENL NDIS--USAF OPT:2STEP-1PP PRIOR 30, RESTORED, 90%COLA, SS OFFSET
 FILE=1071 TITLE=CF--OFF NDIS--ARMY: FIXED 30% SS OFFSET AT 62
 FILE=1072 TITLE=CF--WRT NDIS--ARMY: FIXED 30% SS OFFSET AT 62
 FILE=1073 TITLE=CF--ENL NDIS--ARMY: FIXED 30% SS OFFSET AT 62
 FILE=1074 TITLE=CF--OFF NDIS--ARMY OPT:FIXED 30% SS OFFSET AT 62, HI-3 OTHERWISE
 FILE=1075 TITLE=CF--WRT NDIS--ARMY OPT:FIXED 30% SS OFFSET AT 62, HI-3 OTHERWISE
 FILE=1076 TITLE=CF--ENL NDIS--ARMY OPT:FIXED 30% SS OFFSET AT 62, HI-3 OTHERWISE
 FILE=1077 TITLE=CF--OFF NDIS--USAF OPT: RMA, 90% COLA TO 62, SS OFFSET
 FILE=1078 TITLE=CF--WRT NDIS--USAF OPT: RMA, 90% COLA TO 62, SS OFFSET
 FILE=1079 TITLE=CF--ENL NDIS--USAF OPT: RMA, 90% COLA TO 62, SS OFFSET
 FILE=1080 TITLE=CF--OFF NDIS--USAF OPT: RMA, 90% COLA, SS OFFSET
 FILE=1081 TITLE=CF--WRT NDIS--USAF OPT: RMA, 90% COLA, SS OFFSET
 FILE=1082 TITLE=CF--ENL NDIS--USAF OPT: RMA, 90% COLA, SS OFFSET
 FILE=1083 TITLE=CF--OFF NDIS--USAF: RMA, 100% COLA, SS OFFSET
 FILE=1084 TITLE=CF--WRT NDIS--USAF: RMA, 100% COLA, SS OFFSET
 FILE=1085 TITLE=CF--ENL NDIS--USAF: RMA, 100% COLA, SS OFFSET
 FILE=1086 TITLE=CF--OFF NDIS--USAF OPT: RMA, 100% COLA, SS OFFSET
 FILE=1087 TITLE=CF--WRT NDIS--USAF OPT: RMA, 100% COLA, SS OFFSET
 FILE=1088 TITLE=CF--ENL NDIS--USAF OPT: RMA, 100% COLA, SS OFFSET
 FILE=1089 TITLE=CF--OFF NDIS--REVISED HIGH-3 DISABILITY, MIN IS 57%
 FILE=1090 TITLE=CF--WRT NDIS--REVISED HIGH-3 DISABILITY, MIN IS 57%
 FILE=1091 TITLE=CF--ENL NDIS--REVISED HIGH-3 DISABILITY, MIN IS 57%
 FILE=1092 TITLE=CF--OFF NDISPSSCC 6% W/SS OFFSET (1.25%/YOS, MAX=37.5%)
 FILE=1093 TITLE=CF--WRT NDISPSSCC 6% W/SS OFFSET (1.25%/YOS, MAX=37.5%)
 FILE=1094 TITLE=CF--ENL NDISPSSCC 6% W/SS OFFSET (1.25%/YOS, MAX=37.5%)
 FILE=1095 TITLE=CF--OFF NDISPSSCC 6% DEC W/SS OFFSET (1.25%/YOS, MAX=37.5%)
 FILE=1096 TITLE=CF--WRT NDISPSSCC 6% DEC W/SS OFFSET (1.25%/YOS, MAX=37.5%)
 FILE=1097 TITLE=CF--ENL NDISPSSCC 6% DEC W/SS OFFSET (1.25%/YOS, MAX=37.5%)
 FILE=1098 TITLE=CF--OFF VSTG% DEC W/SS OFFSET (1.25%?YOS, MAX=37.5%)
 FILE=1099 TITLE=CF--WRT VSTG% DEC W/SS OFFSET (1.25%?YOS, MAX=37.5%)
 FILE=1100 TITLE=CF--ENL VSTG% DEC W/SS OFFSET (1.25%?YOS, MAX=37.5%)

NAMES OF COST FILES
 NUMBER OF CURRENTLY ACTIVE FILES IS 1115

| | | | | |
|-----------|---------------|--------------|---|-------------------------|
| FILE=1101 | TITLE=CF--OFF | NDIS--USAF | PPSSCC: 1.9%/YOS, MAX=57%, IA | FOR 30YOS ONLY, NO SS 0 |
| FILE=1102 | TITLE=CF--WRT | NDIS--USAF | PPSSCC: 1.9%/YOS, MAX=57%, IA | FOR 30YOS ONLY, NO SS 0 |
| FILE=1103 | TITLE=CF--ENL | NDIS--USAF | PPSSCC: 1.9%/YOS, MAX=57%, IA | FOR 30YOS ONLY, NO SS 0 |
| FILE=1104 | TITLE=CF--OFF | DISB--USAF | PPSSCC: 1.9%/YOS, MAX=57%, ETC | |
| FILE=1105 | TITLE=CF--WRT | DISB--USAF | PPSSCC: 1.9%/YOS, MAX=57%, ETC | |
| FILE=1106 | TITLE=CF--ENL | DISB--USAF | PPSSCC: 1.9%/YOS, MAX=57%, ETC | |
| FILE=1107 | TITLE=CF--OFF | BONIS--BONUS | 175% 0% 0% | |
| FILE=1108 | TITLE=CF--WRT | BONIS--BONUS | 175% 0% 0% | |
| FILE=1109 | TITLE=CF--ENL | BONIS--BONUS | 175% 0% 0% | |
| FILE=1110 | TITLE=CF--OFF | NDIS--1PP | PRIOR TO 30, NO RESTORE, 80% COLA FOREVER | |
| FILE=1111 | TITLE=CF--WRT | NDIS--1PP | PRIOR TO 30, NO RESTORE, 80% COLA FOREVER | |
| FILE=1112 | TITLE=CF--ENL | NDIS--1PP | PRIOR TO 30, NO RESTORE, 80% COLA FOREVER | |
| FILE=1113 | TITLE=CF--OFF | DISB--1PP | PRIOR TO 30, NO RESTORE, 80% COLA FOREVER | |
| FILE=1114 | TITLE=CF--WRT | DISB--1PP | PRIOR TO 30, NO RESTORE, 80% COLA FOREVER | |
| FILE=1115 | TITLE=CF--ENL | DISB--1PP | PRIOR TO 30, NO RESTORE, 80% COLA FOREVER | |

*** END OF COST DATABASE NAME INDEX ***

VM/SP CONVERSATIONAL MONITOR SYSTEM

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VH/SP CONVERSATIONAL MONITOR SYSTEM

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COST MATRIX MAP FOR: ENLISTED OF ALL 4 SERVICES

[illegible]

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APPENDIX I
ANNUALIZED COST OF LEAVING MODEL
(ACOL)



MAJ ROY E. SMOKER, USAF

ANNUALIZED COST OF LEAVING (ACOL) MODEL

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I. THE COMPENSATION/RETENTION RELATIONSHIP.

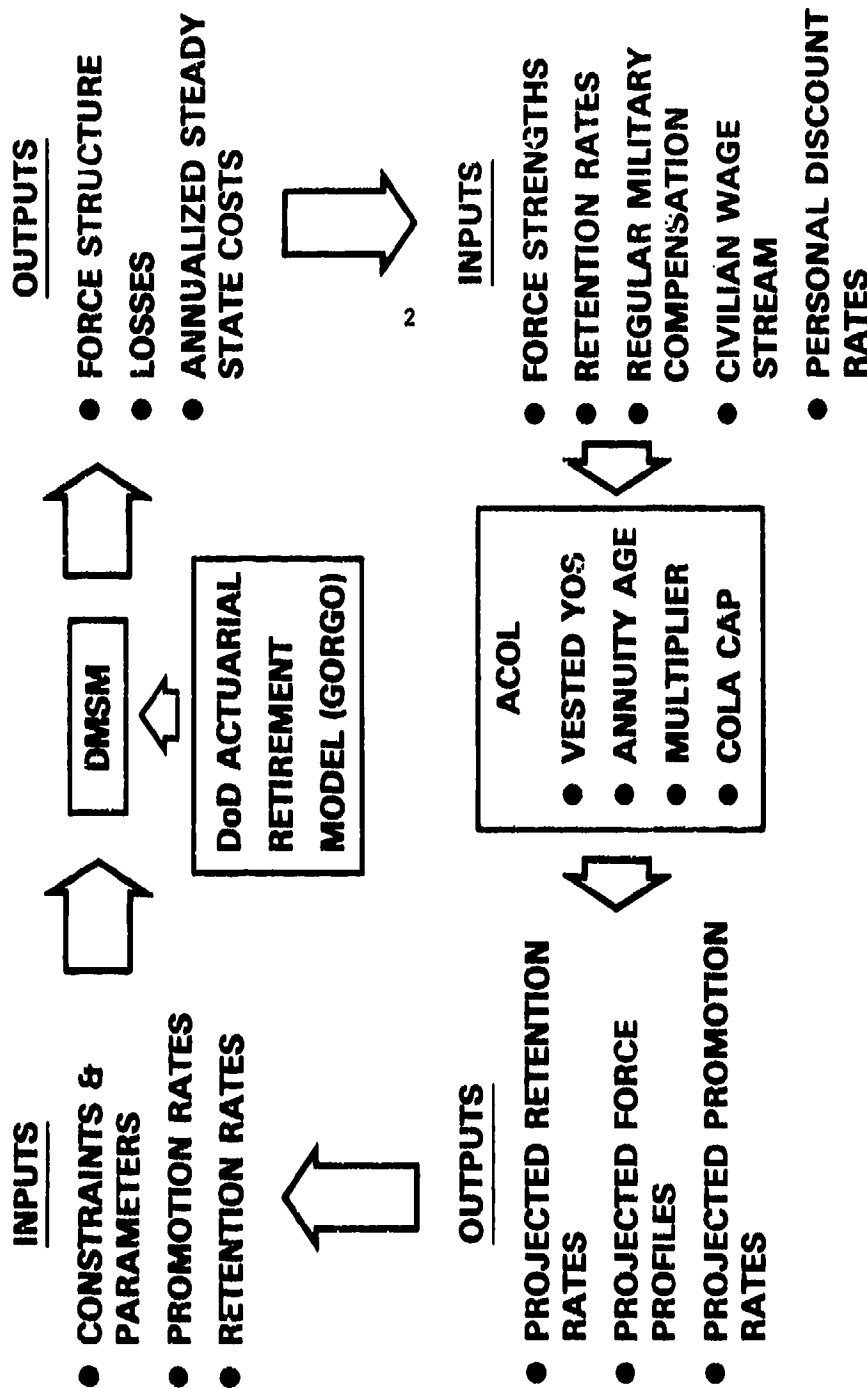
A. INTRODUCTION. The Fifth Quadrennial Review of Military Compensation (ORMC) has developed a series of models to evaluate the adequacy of the Uniformed Services retirement system in relation to national security objectives. Beginning with Service steady-state force structures constrained to FY82 force levels, the models proceed through:

1. An evaluation of the impact of compensation policies on retention;
2. Projection of new force profiles resulting from changes in compensation policy. i.e., retirement and/or Special and Incentive pays;
3. Development of new retention rates, promotion flow rates, and loss rates necessary to support the new force profile; and
4. Evaluation of total life cycle costs of the force structures associated with the alternative compensation policies.

The new force profiles may then be compared with the Service desired profiles using the annualized cost of leaving model (ACOL). The result of the ACOL model are then passed to the Defense Manpower Static Model and the DoD Actuarial Retirement Model to obtain corollary projections of normal cost percentages and budget obligations. (See Figure I-1). This paper describes the ACOL model in detail, provides documentation of the data sources and model methodology, and displays sample output formats so that an understanding of the policy options evaluated by the Fifth ORMC may be attained. The annualized cost of leaving model is the only model used by the Fifth ORMC that has behavioral implications. Separate descriptions of each Service's force structure in the aggregate and the retention response to compensation adjustments for officer and enlisted personnel are examined.

B. ANNUALIZED COST OF LEAVING MODEL. Several models were examined in the process of selecting a tool for analyzing the effects on the Service force structures due to alternative retirement systems. These included the Gotz-Mccall dynamic retention model, the present value of leaving (PVCOL) model, the stochastic cost of leaving (SCOL) model, and the annualized cost of leaving (ACOL) model. The Gotz-Mccall dynamic retention model was designed to provide the Air Force with the ability to assess the personnel force structure implications of alternative compensation and personnel policies. It is a model of behavior of Air Force officers who must make their stay or leave decisions while uncertain about future career prospects. Because the Gotz-Mccall model could not easily be applied to enlisted force structures for all Services it was not selected by the Fifth ORMC. Of the two other models examined and not selected, both have a similar framework to that contained in the ACOL model, but each has different limitations as described by John Warner in "Military Compensation and Retention: An Analysis of Alternative Models of a Simulation of a new Retention Model," August 1981.(1) The ACOL

Figure I-1
5TH QRCM MODELING



model was selected over the other models because of its ease of application, wide acceptance, and use among the Services and OASD (MRA&L) for evaluating strength projections resulting from the 1981 pay raise and subsequent compensation related issues. The following discussion summarizes the Fifth ORMC use of the ACOL model.

The ACOL model lends itself to an intuitive examination of three groups of people: those with a preference for uniformed service, those with a preference for civilian life, and those at the margin who are indifferent but whose decisions to stay or leave may be influenced by changes in compensation. Those who prefer uniformed service will stay regardless of compensation considerations. Those who prefer civilian life will leave. The ACOL model predicts whether those members at the margin will decide to stay (or leave) as the annualized cost of leaving (ACOL) increases (or decreases) in a specific year of service relative to some basecase observed retention patterns. The ACOL model is the only model employed by the Fifth ORMC in the analysis of retirement systems that has behavioral implications. It models a servicemember's decision to leave service immediately or to stay for some period of additional service and then leave. A major problem in analyzing changes in the retirement system is to determine at each possible year of service, what is the appropriate number of additional years of service to which the alternative of leaving immediately is to be compared. This is important particularly for changes in the retirement system because if, at a particular decision point, these "additional years of service" do not encompass the retirement point, changes in the retirement system will not have an effect on retention to that decision point. The feature of the ACOL model which differentiates it from most alternative retention models is that it solves the problem of determining the appropriate time horizon, at each decision point, in a non-arbitrary way. In particular, the horizon computed by ACOL is the one that maximizes the annualized difference between the value of staying and the value of leaving at each decision point.

This annualized, or annuitized, value is the ACOL value. It is the net amount foregone in pay each year of the computed horizon if the individual were to leave service rather than stay for the additional period indicated by the horizon. If an individual were otherwise indifferent between Service and civilian life, his decision rule would be to stay, rather than leave, when the ACOL value is greater than zero. However, the individual may not be indifferent between non-financial aspects of service and a civilian career. If an individual's net preference for the non-pecuniary aspect of service relative to civilian life is positive, then his decision rule would be to reenlist if the sum of ACOL and his net preference or taste for service were positive. The taste variable of course is not directly observable. Yet, regardless of how this variable is distributed among servicemembers, more will reenlist the greater is the value of ACOL. In this sense, the ACOL model operates on individuals at the margin of the stay/leave decision. The time horizon that maximizes ACOL is the appropriate one, at least for a taste component that does not vary over time, as can be seen by noting

that, if the individual does not reenlist at the maximum ACOL value, he would not choose to reenlist for any value less than that. By assuming a particular form of the distribution of tastes among the relevant Service population the observed ACOL values can be related to the observed values of the reenlistment/retention rates which reflect the stay/leave decisions and estimates of the effect of changes in Service compensation on retention were obtained.

Formally, the ACOL value is defined as the annualized difference between the present value of staying (PVS) and the present value of leaving (PVL) service, where the discount factor (DF) is assumed to be known. In equation from:

$$(1) \quad PVS(n,h) = \left\{ \sum_{t=18+n}^{t=18+n+h} M(t) / \prod_{t=18+n}^{t=18+n+h} 1+d(t) \right\} + \left\{ \sum_{t=18+n+h+1}^{AGE} [C(t) + Y(t,n+h)] / \prod_{t=18+n}^{t=18+n+h} 1+d(t) \right\};$$

$$(2) \quad PVL(n,h) = \sum_{t=18+n}^{AGE} [C(t) + Y(t,n)] / \prod_{t=18+n}^{t=18+n+h} 1+d(t);$$

$$(3) \quad DF(n,h) = \sum_{t=18+n}^{t=18+n+h} * \prod_{t=18+n}^{t=18+n+h} \frac{1}{1+d(t)}; \text{ and}$$

$$(4) \quad ACOL(n) = \text{MAX} [(PVS(n,h) - PVL(n,h)) / DF(n,h); \\ h = 1, 2, \dots, [t - (n+18)].$$

For clarity of notation, all variables are indexed to the individual's age, and in this example it is assumed that all members enter service at age 18. Further,

$M(t)$ is Service pay at age (t) ;

$C(t)$ is civilian alternative pay at age (t) ;

$Y(t,n)$ is an individual's retired pay at age (t) , for those members who served n years;

n is the length of service at the stay/leave decision point;

h is the time horizon representing future potential years of service; and

$d(t)$ is the individual's discount rate at age t .

Note that it is assumed that the individual's civilian earnings are independent of his length of service, so that civilian earnings beyond age $18+n+h$ cancel out. Further, it should be noted that the horizon, h , which maximizes ACOL is not necessarily the horizon which maximizes the difference in Service and civilian earnings.

Let the taste components for the i th individual be denoted as P_i . Then, the probability the i th individual reenlists is, $\text{prob}(ACOL + P_i > 0)$. If the taste components are distributed among a particular reenlistment COHORT as $f(P)$, then the reenlistment rate, R , will be equal to:

$$(5) \quad R = \int_{-ACOL}^{\infty} f(P) dP$$

Assuming the cumulative density function of the taste component is logistic, then we immediately obtain the following equation that can be estimated by ordinary least squares regression:

$$(6) \quad \ln[R/(1-R)] = \text{Constant} + \text{BETA} * ACOL.$$

For greater elaboration of the theory underlying the ACOL model, see John Warner, "Alternative Military Retirement Systems : Their Effect on Enlisted Retention," September 1979. (2)

The computer version of the ACOL model operates very simply. A base case set of retention rates for those who are making reenlistment decisions are related to the ACOL values implied by the current structure of Service and civilian compensation policies, and new ACOL values computed. Finally, the new set of retention rates are produced. The new set of rates are interpreted as those which would exist under the alternative compensation system.

II. REVISION AND USE OF THE ANNUALIZED COST OF LEAVING (ACOL) MODEL.

A. ADAPTATIONS TO THE ACOL MODEL. The Fifth QRM C obtained a copy of the OSD (MRA&L) version of the ACOL model resident on the Naval Post-graduate School computer in Monterey, California. This version was designed to analyze the effects of changes in pay and bonus policy on retention of the enlisted forces of the four military Services over a seven-year horizon defined by Program Objective Memoranda (POM). The major structural shortcomings of the model for the purposes of the Fifth QRM C, as opposed to any underlying theoretical problems, were:

1. The model was available only for the aggregate enlisted force of each Service, and did not permit analysis of the officer community or occupation-specific structures;

2. The model did not contain the necessary flexibility in the code to easily analyze changes in any of several retirement system characteristics; and

3. The model omitted several Special and Incentive pays which were considered desirable to include.

B. STRUCTURAL MODIFICATIONS MADE BY THE FIFTH QRM C. Several structural modifications have been incorporated into the ACOL model to allow better evaluation of alternative retirement proposals. The modifications fall into four categories: adding flexibility in defining retirement systems; including actuarial assumptions on life expectancy; integrating the retirement system with social security benefits; and developing costing summaries for steady-state and dynamic forecasting of transition patterns to a new system.

1. Added Vectors. Vectors were added to the OSD version of the ACOL model to handle changes in the following retirement system characteristics:

- a. Vesting year of service (current system is 20);
- b. Annuity age (current system assumes 38 for enlisted and 42 for officer force structures);
- c. Multiplier (current system is .025 per year of service with a maximum at 30 of 75%), multiplier options also includes a multi-tier capability at a user specified age;
- d. High average wage (current system is one year transitioning to high-three years);
- e. Decrement (vector of 35 elements used to adjust the multiplier downward at each year of service, current system has all zeros);
- f. Cost-of-living adjustment (COLA) percentage adjustments with user-specified inflation factor, also includes a COLA catchup capability at some userspecified age, such as age 62; and

- g. Use of each of the above elements in combination with the others, as well as individually, to evaluate a wide range of alternative retirement systems, such as dual track systems, early vesting systems with deferred annuities, and systems with a social security offset.

2. Actuarial Assumptions. The model was modified to accept a vector of actuarial probabilities of living one more year. (3) Assuming an enlisted member enters service at age 18, the vector will assign the enlisted member a probability of aging each year for 81 years to age 99. For officers, the entry age is assumed to be 22 with aging probabilities carried through 103. This capability is useful in estimating the cost of survivor death benefits as well as costing early vesting options and sizing the steady-state population.

3. Integration with Social Security. A new function was added to the model to use the existing income streams and compute social security benefits. The model assumes 1982 as a base year and uses the social security maximum income level of \$32,400 along with the average annual wage of \$13,773, as measured by the Social Security Administration. (4) The model also uses the 1982 social security formula as a starting point for computing benefits. Adjustments to the bend points in the 1982 social security formula are then calculated in the model for each year between the year of separation and age 65. The adjustments are based on user-specified assumptions about the consumer price index (CPI). (See Volume II of the Survivor Benefit Program for a detailed review of the social security benefits formula.) Social security benefits for use in computing the social security offset are based solely on Service earnings. The user may specify the percentage of the Service-only social security benefit to be used in offsetting the retirement income stream.

4. Steady-State and Dynamic Cost Summaries. The steady-state and dynamic cost summaries provide first term and career force costing, as well as a breakout of total cost by type; e.g., basic pay, BAO, Special and Incentive (S&I) pay, etc. Using knowledge about the disposition of losses by year of service, the \$3,000 death gratuity is costed for each loss due to death. In the officer force, where retirement losses occur before the 20th year of commissioned service due to prior service time counting toward retirement eligibility, retirement benefit/costs are computed using the multiplier times 20-years of service times the basic pay for the year of commission service of the member. The resulting steady-state costs are useful in evaluating competing retirement proposals for a given force structure. The dynamic costing option provides a capability to transition to a new system over a period of years, as well as evaluating strength growth or decline over a POM cycle. While steady-state and dynamic cost summaries may be obtained from the ACOL model, a more detailed budget costing may be obtained by processing the ACOL force structure projections by grade and year of service through the force structure linkage model to feed both the DoD Actuarial Retirement Model and the Defense Manpower Static Model (DMSM).

III. DESCRIPTION OF DATA ELEMENTS. The ACOL model uses several elements of data from which to make predictions concerning personnel retention behavior patterns. The data base includes information on the Service force structures, historical retention patterns, compensation policy, alternative civilian wage streams and personal discount rates.

A. FORCE STRUCTURES. Each Service provided detailed force structures for officer and enlisted personnel, as well as for the occupational groups identified in Table I-1. The current objective force structures were sized to FY82 authorization levels and reflected current grade and other legal constraints, as well as limitations imposed on retention by the current compensation system. The baseline force structures were also sized to the FY82 authorization levels, but were designed from the standpoint of desired continuation and force management independent of considerations of cost or limitations imposed by the current compensation/retirement system, external economic conditions or historical retention levels. The force strengths by grade and year of service (YOS) for both the current objective and the baseline force structures reflect personnel management policies for those who stay and the loss reasons for members who leave. For use in the ACOL model the strengths by grade and YOS reflect the opportunity to receive pay in that grade and YOS. The loss reasons were grouped into three categories related to compensation policy. These are: deaths, for purposes of death gratuity; retirement, reflecting pre-20 YOS disability for enlisted and prior service time for officers, as well as post-20 YOS non-disability retirement losses; and other voluntary and involuntary attrition. Figures I-2 through I-9 display the seven-year average force structures alongside the Service-provided current objective and baseline force structures. As these figures indicate, the seven-year average force structures generally represent a nominally smaller career force than exhibited in the Service career objective and baseline force structures.

Table I-1
Officer and Enlisted Occupational Groups by Service

| OFFICER | CURRENT OBJECTIVE END STRENGTHS | | | |
|----------------------------------|---------------------------------|---------|---------|---------|
| | ARMY | NAVY | USMC | USAF |
| Legal | 1,799 | 988 | 428 | 1,227 |
| Chaplain | 1,450 | 1,038 | | 852 |
| Physician | 4,982 | 3,460 | | 3,678 |
| Dentist | 1,812 | 1,660 | | 1,585 |
| Nurse | 3,892 | 2,732 | | 4,448 |
| Veterinarian | 395 | | | |
| Medical Service Corps | 4,961 | 2,064 | | 1,114 |
| Bio-Medical Service Corps | 464 | | | 2,236 |
| Pilot | 6,625 | 10,555 | 4,509 | 27,798 |
| Navigator/NFO | | 4,918 | 445 | 12,218 |
| Combat Arms & Naval Operations | 31,289 | 18,161 | 5,729 | |
| Combat Support | 14,424 | | 3,800 | 30,624 |
| Scientist & Engineer | | | | 15,687 |
| All Others | 16,781 | 16,679 | 2,392 | |
| Aggregate | 88,874 | 62,255 | 17,303 | 101,467 |
| <u>ENLISTED*</u> | | | | |
| Infantry, Gunner and Seaman | 162,439 | 17,863 | 43,178 | 22,464 |
| Electronic Equip Repair | 30,819 | 61,912 | 8,388 | 65,284 |
| Communications & Intel | 61,568 | 40,403 | 12,246 | 33,235 |
| Medical & Dental | 34,738 | 26,280 | | 20,223 |
| Other Technical Specialist | 13,385 | 5,378 | 2,993 | 16,026 |
| Support & Administration | 110,079 | 46,025 | 24,608 | 101,346 |
| Electric/Mechanical Equip Repair | 95,379 | 124,725 | 26,831 | 109,573 |
| Craftsman | 16,851 | 27,233 | 4,581 | 26,401 |
| Service & Supply | 72,796 | 25,497 | 21,801 | 49,562 |
| Non-Occupational Students | 79,288 | 104,444 | 28,413 | 30,532 |
| Aggregate | 677,362 | 479,663 | 173,069 | 474,646 |

* Strength distribution by occupation group based on the average for the last seven years, i.e., FY76-FY82.

Figure I-2
ARMY OFFICER STRENGTH
7 YR AVG/CURRENT OBJECTIVE/BASELINE

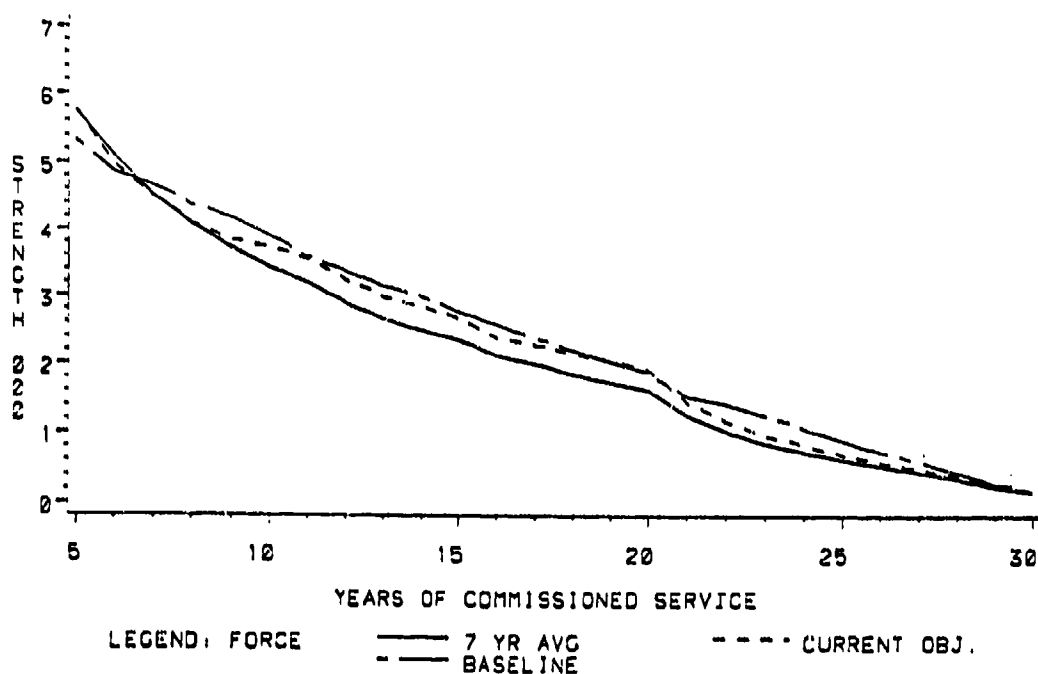


Figure I-3
NAVY OFFICER STRENGTH
7 YR AVG/CURRENT OBJECTIVE/BASELINE

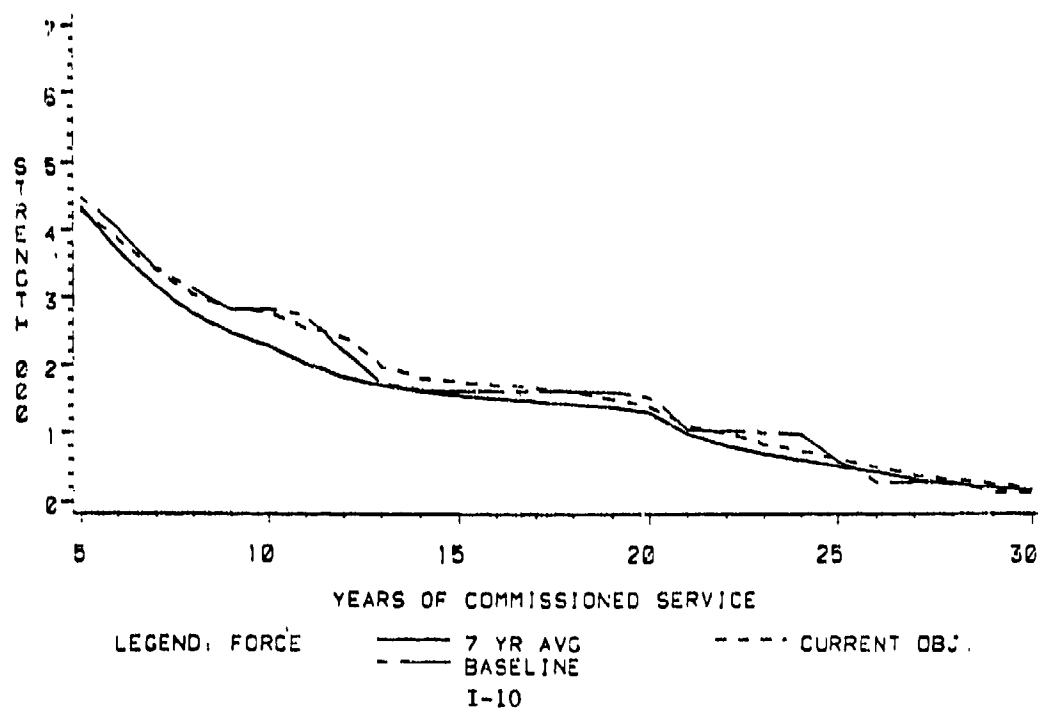


Figure I-4

USMC OFFICER STRENGTH 7 YR AVG/CURRENT OBJECTIVE/BASELINE

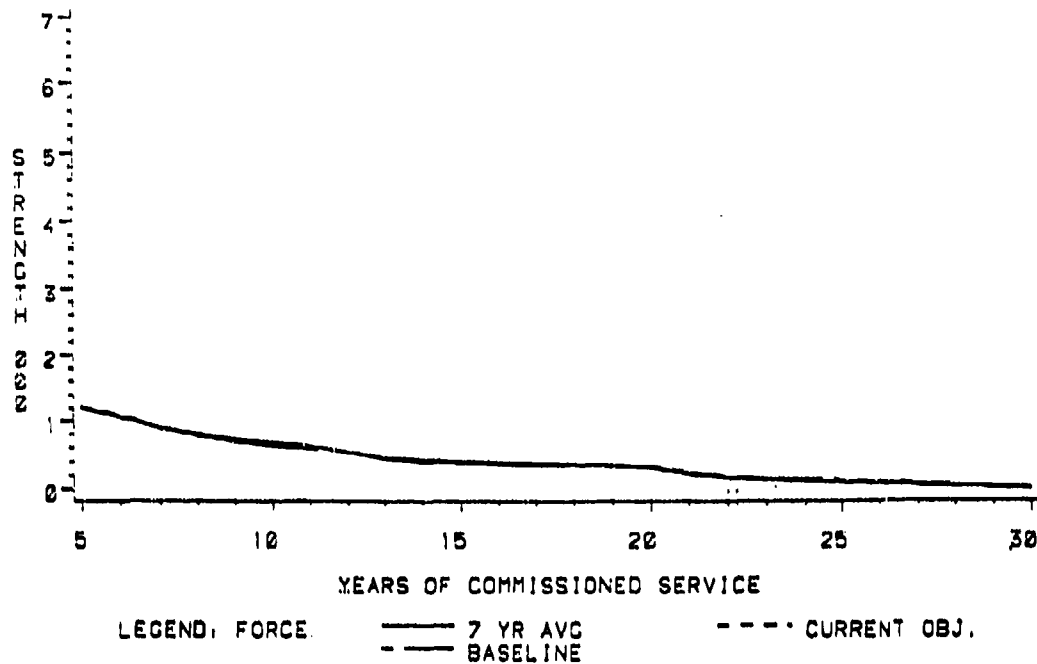


Figure I-5

USAF OFFICER STRENGTH 7 YR AVG/CURRENT OBJECTIVE/BASELINE

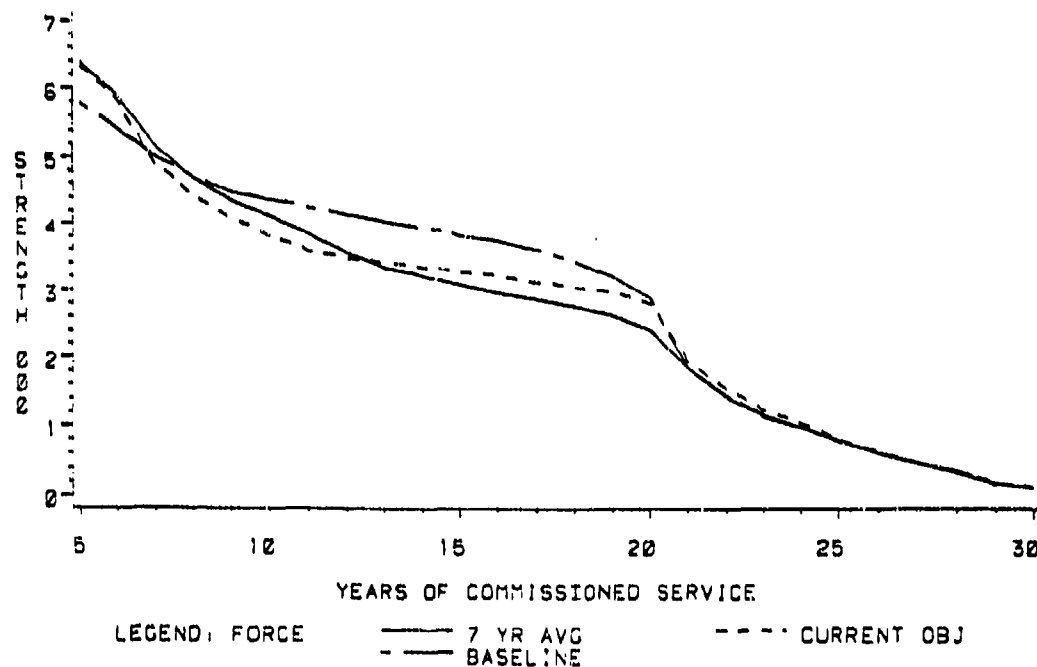


Figure I-6

ARMY ENLISTED STRENGTH 7 YR AVG/CURRENT OBJECTIVE/BASELINE

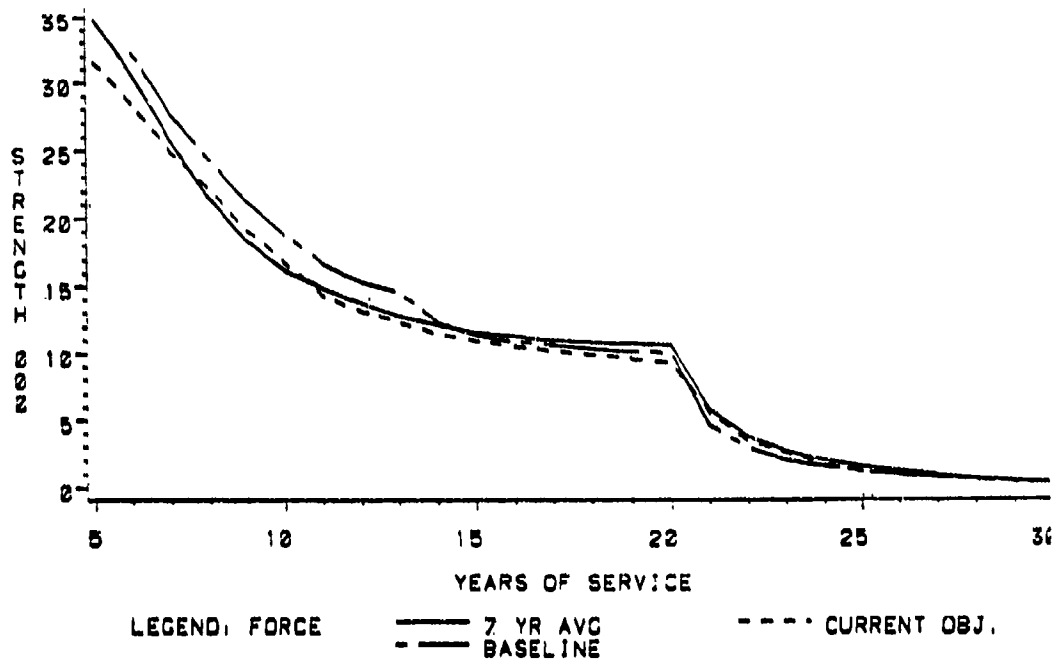


Figure I-7

NAVY ENLISTED STRENGTH- 7 YR AVG/CURRENT OBJECTIVE/BASELINE

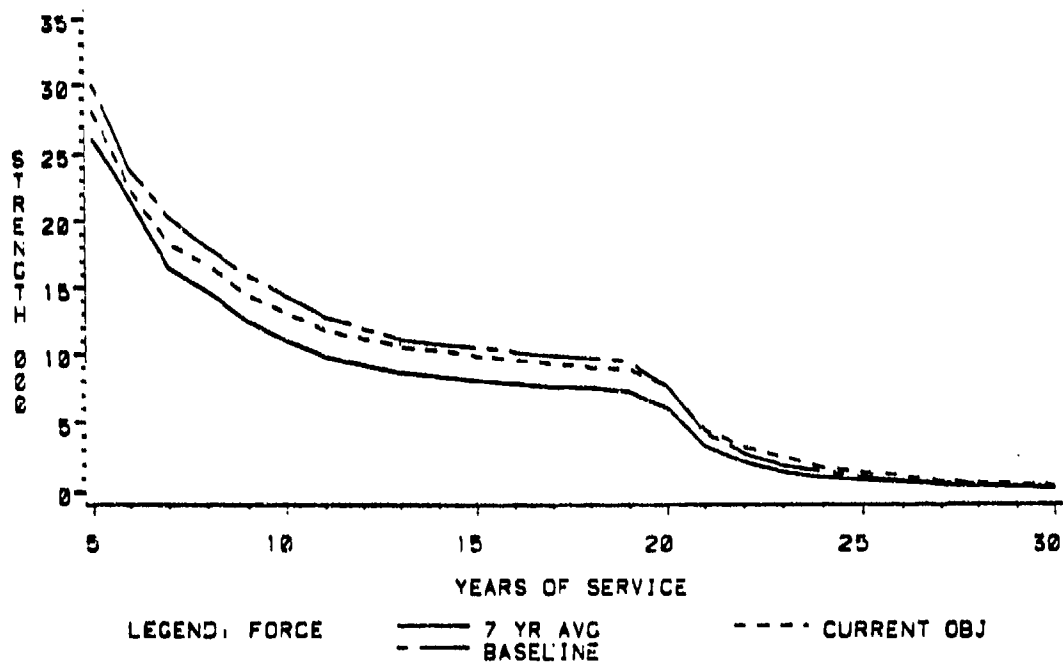


Figure I-8

USMC ENLISTED STRENGTH 7 YR AVG/CURRENT OBJECTIVE/BASELINE

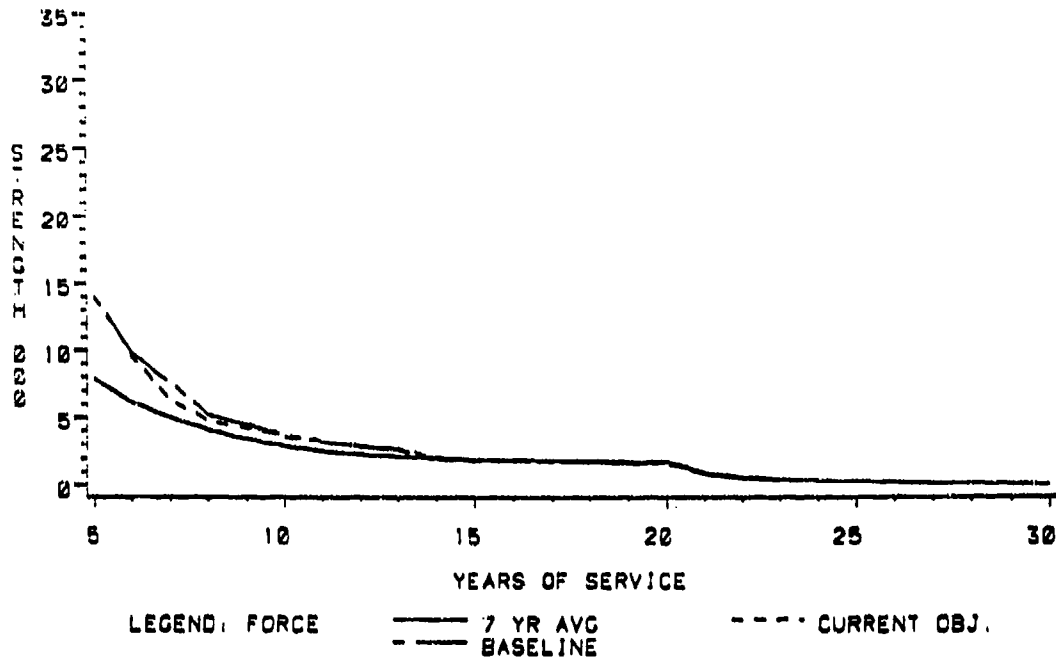
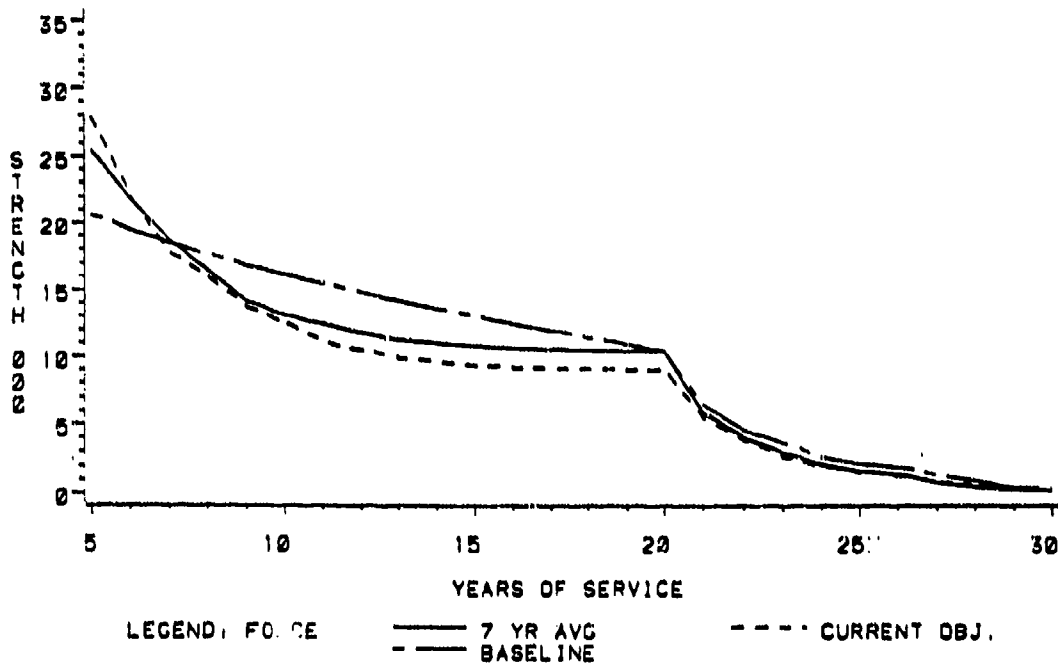


Figure I-9

USAF ENLISTED STRENGTH 7 YR AVG/CURRENT OBJECTIVE/BASELINE



B. RETENTION PATTERNS. The continuation rate data provided with Service baseline and current objective force structures are too aggregate to satisfy the needs of the ACOL model. For this reason, separate seven-year average retention rates covering FY76-FY82 were developed for two sub-populations for both the officer and enlisted force structures.

1. Officer personnel continuation rates were separated into:

- a. retention rates for due-course officers with no prior service, and
- b. retention rates for prior service officers (all officers retention rates were reported by Total Active Federal Commissioned Service Date (TAFCSDD)).

2. Enlisted personnel continuation rates were separated into:

- a. retention rates for those personnel within 12 months of end-of-term-of-service, and
- b. those with a term of service exceeding 12 months, (all enlisted retention rates were reported by Total Active Federal Military Service Date, TAFMSD).

The officer ACOL model was designed to predict retention rates for due-course officers with no prior service. By using the predicted retention rates from equation (6) and information on the retention rates for officers with prior service, along with the percent of non-prior service (% NPS) officer personnel at each YOS in the officer model, the overall officer continuation rates by YOS were obtained. Use of NPS officer retention rates was required in the ACOL model to isolate the influence of prior-service personnel retirement before 20 years of active commissioned service. As the income streams in the ACOL model imply a due-course officer, the ACOL values were used to predict NPS retention. Figure I-10 displays, by Service, how the % NPS officers changes across years of commissioned service. Figures I-11 through I-14 display the retention rates for prior and NPS officers which must be weighted to obtain the overall continuation rates for each YOS. In equation form, we have:

$$(7a) \text{ Continuation} = \% \text{ NPS} * \text{RTN}_{\text{NPS}} + (1 - \% \text{ NPS}) * \text{RTN}_{\text{ps}} .$$

The enlisted ACOL model, following John Warner's earlier convention, was designed to predict reenlistment rates for personnel at an end-of-term-of-service (ETS). By using the predicted reenlistment rates from equation (6) and information on the retention rates for personnel not at ETS, along with the percent of enlisted personnel who are at ETS (% ETS) for each YOS in the enlisted model, the overall enlisted continuation rates by YOS were obtained.

Figure I-15 displays, by Service, how the % ETS changes across YOS. Figure I-16 through I-19 display the retention rates for enlisted members both at ETS and not at ETS.

Figure I-10

PERCENT NONPRIOR SERVICE (NPS) OFFICER FORCE STRUCTURE

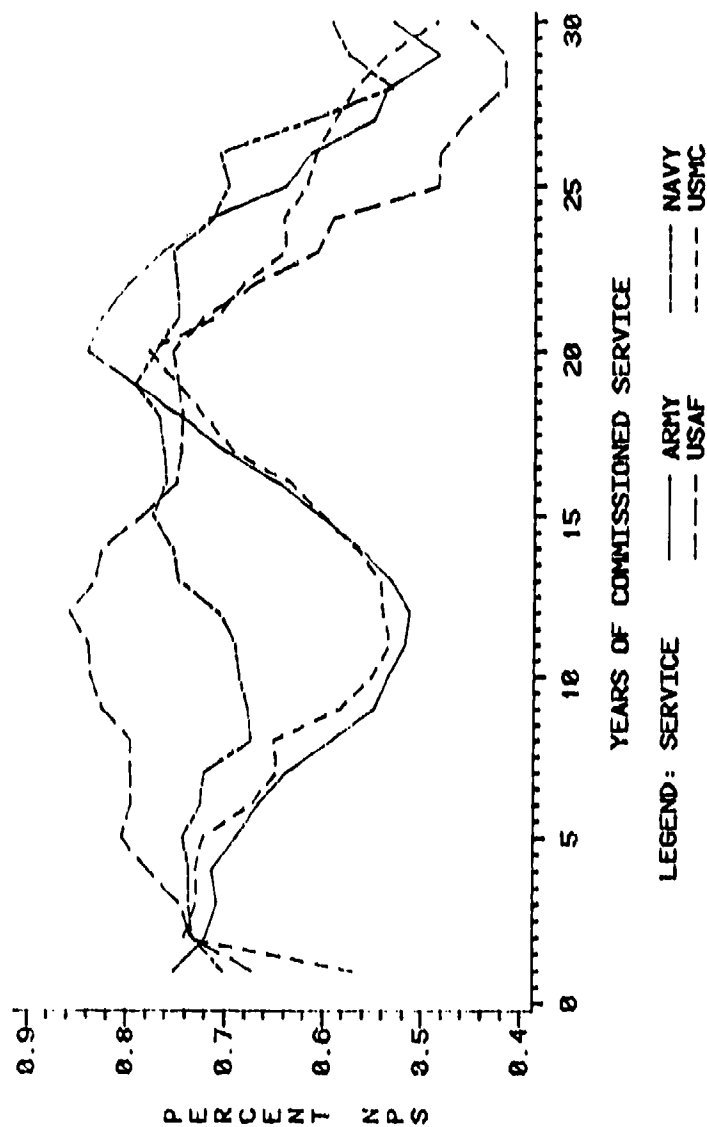


Figure I-11

RETENTION RATES -- NONPRIOR/PRIOR SERVICE OFFICER FORCE STRUCTURE SERVICE=ARMY

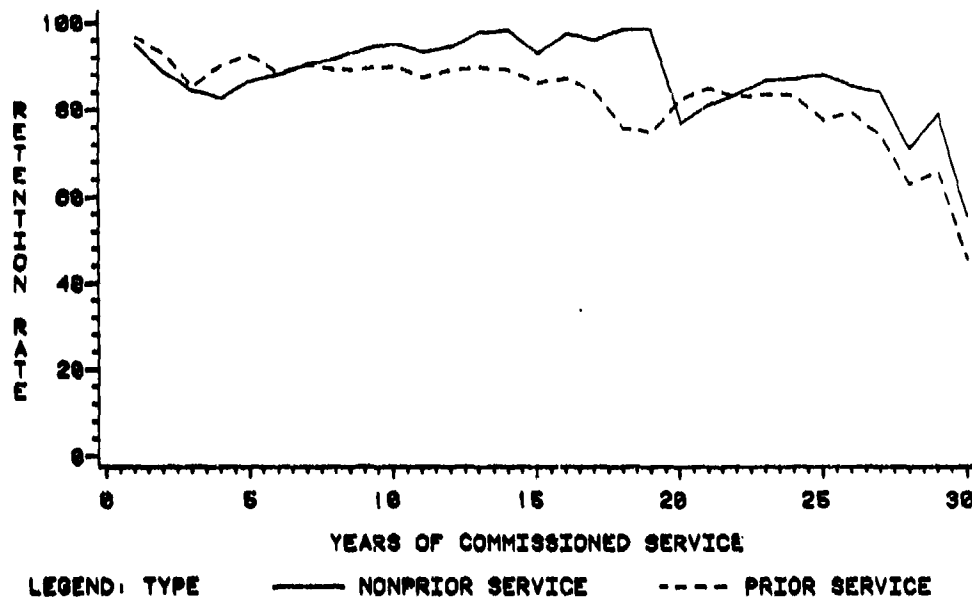


Figure I-12

RETENTION RATES -- NONPRIOR/PRIOR SERVICE OFFICER FORCE STRUCTURE SERVICE=NAVY

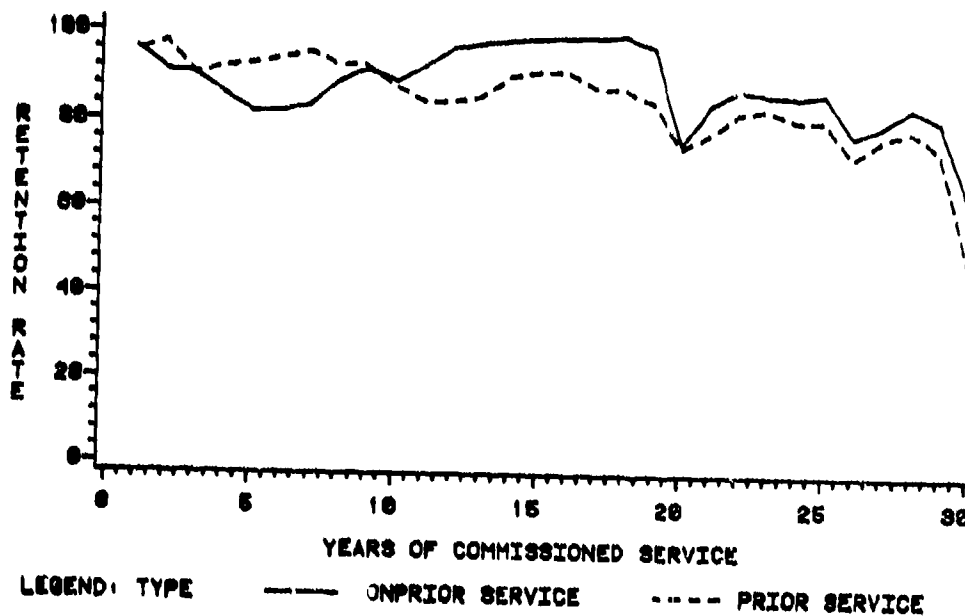


Figure I-13

RETENTION RATES -- NONPRIOR/PRIOR SERVICE

OFFICER FORCE STRUCTURE
SERVICE=USMC

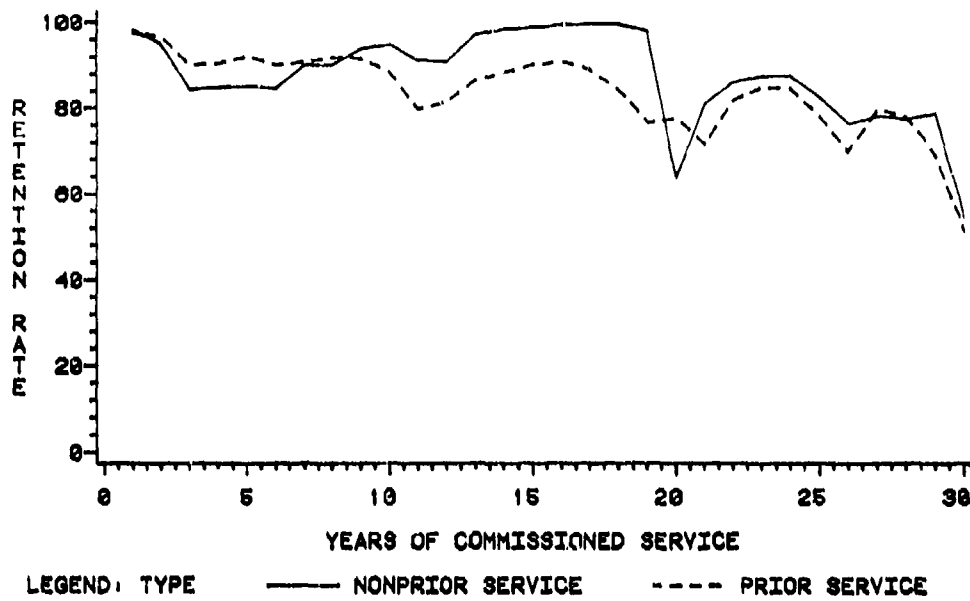


Figure I-14

RETENTION RATES -- NONPRIOR/PRIOR SERVICE

OFFICER FORCE STRUCTURE
SERVICE=USAF

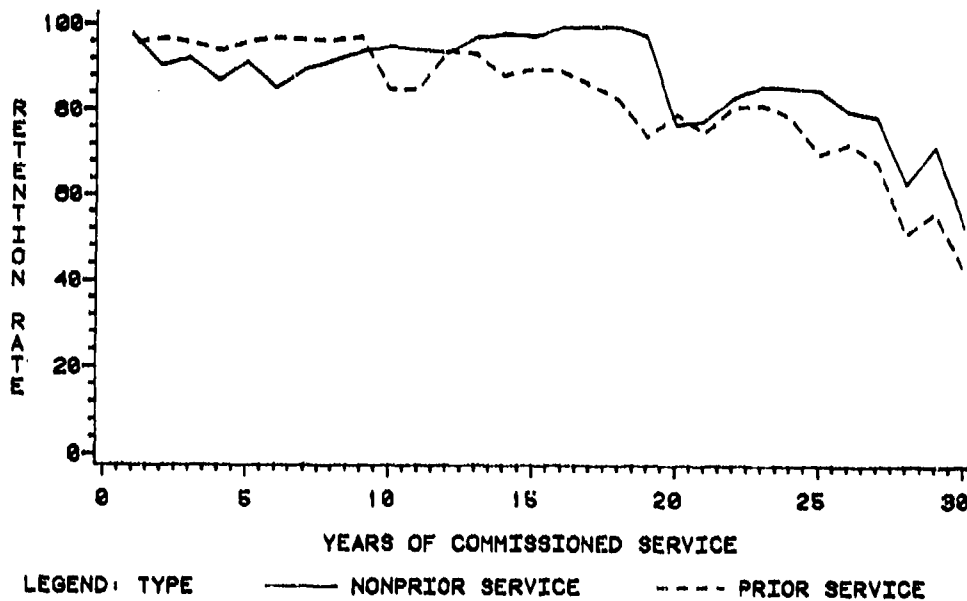


Figure I-15

END OF TERM OF SERVICE (ETS) ENLISTED FORCE STRUCTURE

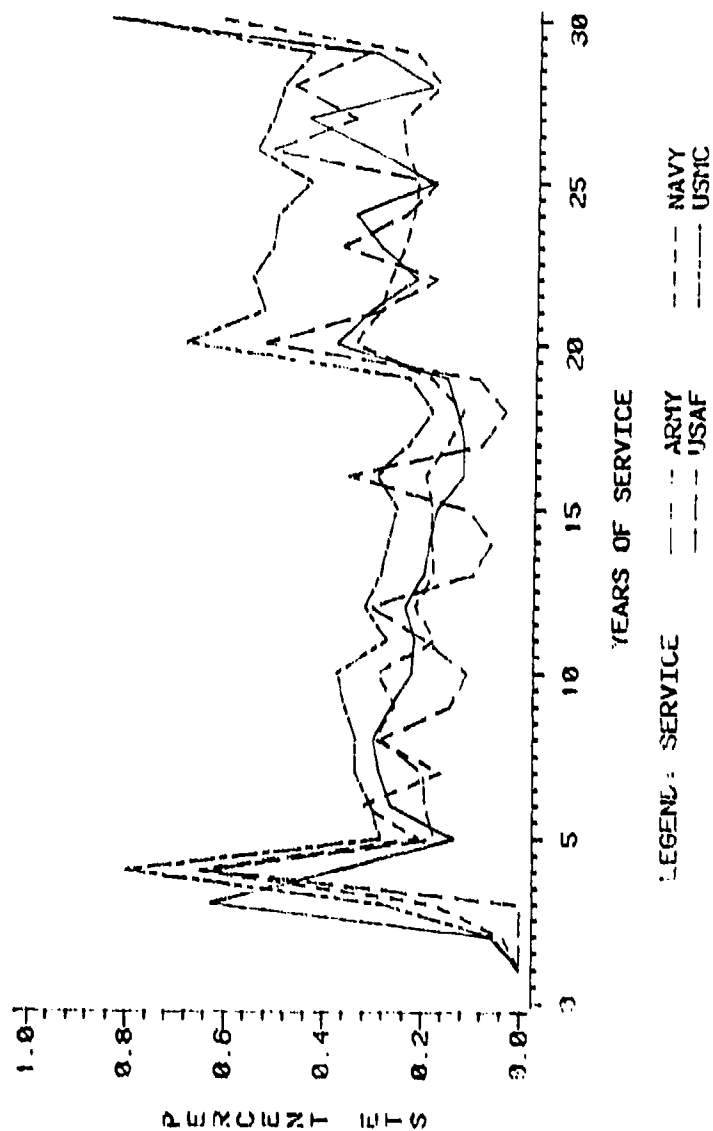


Figure I-16
RETENTION RATES -- ETS/NOT ETS
 ENLISTED FORCE STRUCTURE
 SERVICE=ARMY

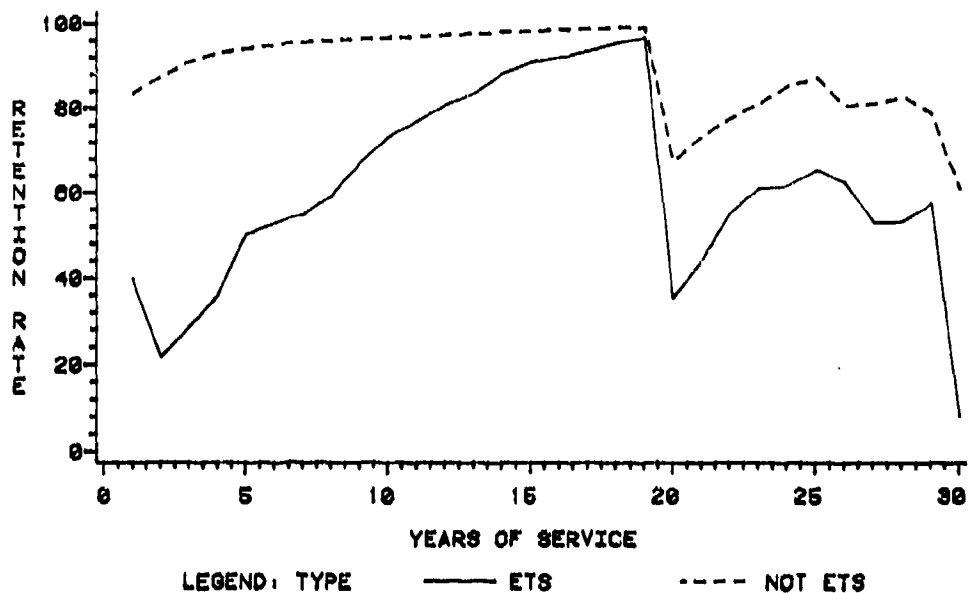


Figure I-17
RETENTION RATES -- ETS/NOT ETS
 ENLISTED FORCE STRUCTURE
 SERVICE=NAVY

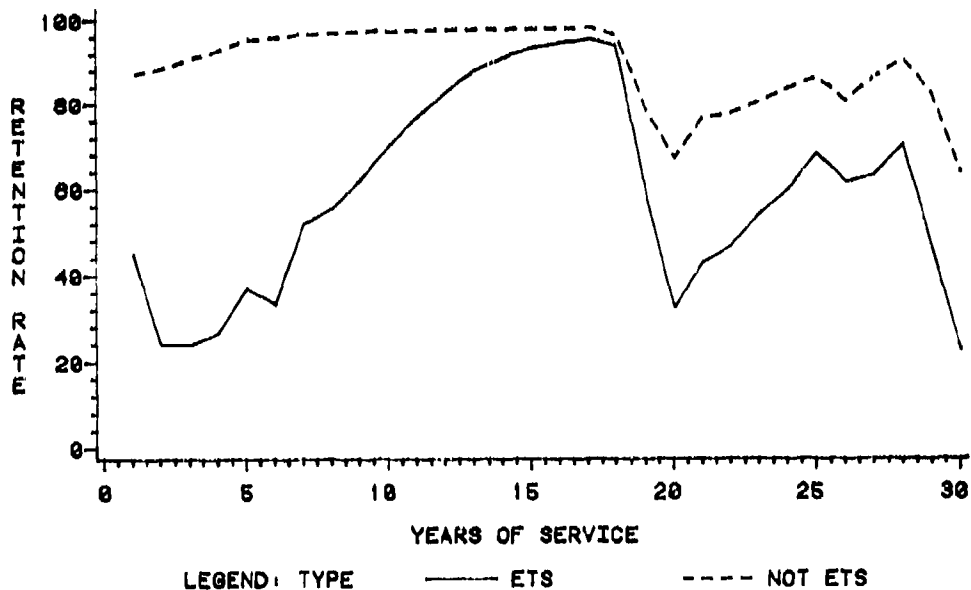


Figure I-18

RETENTION RATES -- ETS/NOT ETS ENLISTED FORCE STRUCTURE SERVICE=USMC

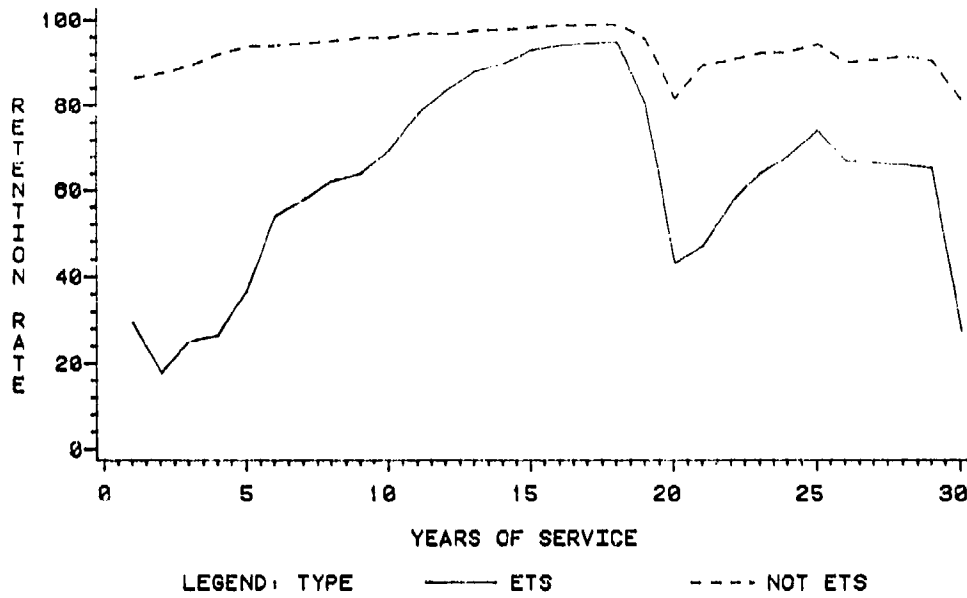
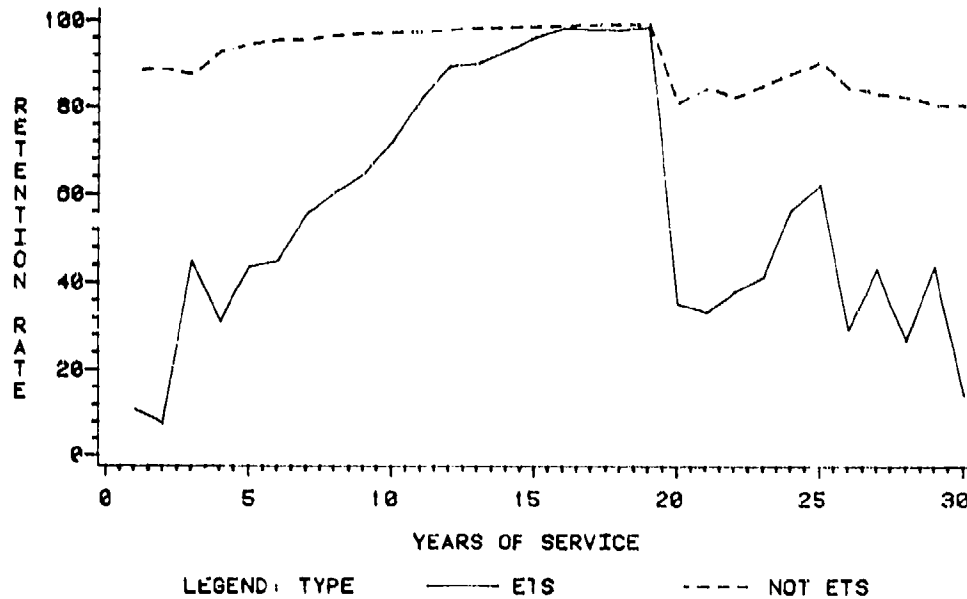


Figure I-19

RETENTION RATES -- ETS/NOT ETS ENLISTED FORCE STRUCTURE SERVICE=USAF



For the enlisted force structure, equation (7a) becomes:

$$(7b) \text{ Continuation} = \% \text{ ETS} * \text{RTN}_{\text{ETS}} + (1 - \% \text{ ETS}) * \text{RTN}_{\text{NETS}}$$

For both the enlisted and officer force structures, note how the retention rates, for members at ETS and NPS officers drop below the retention rates for members not at ETS and prior-service officers during the early years of service. Also note how the retention rates for enlisted ETS members and NPS officers generally increase to the point of retirement eligibility, then drop and show more fluctuation beyond the 20th YOS.

C. SERVICE COMPENSATION. Compensation policy of the Services was used to develop the Service earnings streams for use in the ACOL model. The elements of compensation policy were defined to include basic pay, basic allowance for quarters (with and without dependents), basic allowance for subsistence, variable housing allowance, Special and Incentive pays and allowance-associated tax advantage. (5) All pays and allowances were viewed in a grade and YOS perspective and measured in FY82 dollars. The Service earnings stream was then developed using the Service-specified strengths by grade and year of service to reflect promotion opportunities and special entitlements to receive each type of Service pay. The Special and Incentive pays were obtained from Service-provided compensation data tapes for FY82 and represent the annual dollar amount received by members in each occupational group by grade and YOS. Table I-2 contains a detail listing of the Special and Incentive pays captured by the model.

D. ALTERNATIVE CIVILIAN WAGE STREAMS. The alternative civilian wage, by age, was obtained from the 1980 Census Public-Use Microdata Sample (PUMS) for the first 17 states made available by the Bureau of Census. The states were: Arizona, Arkansas, California, Colorado, Florida, Illinois, Kansas, Louisiana, Maine, Michigan, Minnesota, Mississippi, Montana, Nebraska, New York, Pennsylvania and Texas. The alternative civilian wage was defined for veterans who had full-time earnings and who were between the age of 17 and 65. Fulltime earnings means that the individual indicated in the Census that he had worked at least 35 hours per week for at least 48 weeks in calendar year 1979. The resulting civilian veteran earnings were multiplied by the Employee Compensation Index value of 1.279 to establish 1982 comparative dollars. The officer alternative civilian veteran earnings stream was controlled to represent white male, college graduates in officer-related occupations. The enlisted alternative civilian veteran earnings stream was controlled to represent white males working in enlisted-related jobs.

Alternative wage stream equations were developed for each of the officer and enlisted occupational structures evaluated. These wage equations were developed from the Census data for use in the Annualized Cost of Leaving (ACOL) model. Previous wage equations used in the model were developed from Current Population Survey data and did not distinguished between earnings streams for different occupational groups. Using the results of a draft report on the Military Crosscode Project by Booz, Allen-Hamilton, Inc. (7) cross-walks were identified between Department

Table I-2
Special and Incentive Pays by Type

Aviation Pay

1. Aviation Career Incentive Pay
2. Aviation Officer Continuation Pay

Submarine & Nuclear Pay

3. Nuclear Career Accession Bonus
4. Nuclear Qualified Officer Continuation Pay
5. Nuclear Career Annual Incentive Bonus
6. Nuclear Submarine Accession Bonus
7. Submarine Duty Pay

Sea Pay

8. Career Sea Pay

Location/Billet Specific Pay

9. Certain Places (Foreign Duty) Pay
10. Responsibility Pay
11. Overseas Duty Extension Pay
12. Family Separation Allowance
13. Overseas Cost of Living Allowance
14. Overseas Housing/Rent Plus

Bonus Pays

15. Enlistment Bonus
16. Selective Reenlistment Bonus

Medical Special Pays

17. Special Pay for Active Duty Dentists/Veterinarians/Optometrists
18. Variable Special Pay for Medical Officers
19. Board Certification Pay for Medical Officers
20. Continuation Pay for Medical/Dental Officers
21. Additional Special Pay for Medical Officers
22. Incentive Special Pay for Medical Officers

Hazard Pays

23. Hostile Fire Pay
24. Diving Duty Pay
25. Incentive for Hazardous Duty - 1st
26. Incentive for Hazardous Duty - 2nd

Proficiency Pay

27. Proficiency Pay

of Defense and Census occupation coding structures. The Census population was then stratified into those veterans who were in officer- and enlisted-related jobs. For those occupations which matched both officer- and enlisted-related jobs, individuals in the Census were classified as enlisted or officer based on their level of education; i.e., those with less than a college degree were classified as enlisted. After the classification process was completed, the wage stream for each appropriate subgroup, i.e., officer- or enlisted-related occupation, was observed.

Tables I-3 and I-4 provide the officer- and enlisted-specific alternative civilian income stream equations by occupational group. These equations were estimated using 1979 wage and salary earnings of full-time male veterans who were identified as non-retired separates in the 1980 Census. Full-time was defined as working 35 or more hours per week and 48 weeks or more per year. As previously stated, Census data was obtained from 17 States contained in the Public-Use Micro-Data Sample files. The data represents a five-percent sample of the 17 States and various subdivisions within them. Each equation was estimated in the following form:

$$(8) \ln (WAGE) = \text{CONSTANT} + \text{LAMDA1} * \text{AGE} + \text{LAMDA2} * \text{AGESQ} \\ + \text{LAMDA3} * \text{EDLT12} + \text{LAMDA4} * \text{ED1215} + \text{LAMDA5} * \% \text{BLACK}.$$

In equation (8), WAGE represents the 1979 wage and salary earnings reported in the Census for individuals of each age; AGESQ represents age squared; EDLT12 controls for an education level of less than a high school graduate. ED1215 controls for education levels of at least a high school graduate but less than a college graduate; and %BLACK controls for the percent of the population that is black.

To obtain the alternative wage streams using the equations in Tables I-3 and I-4, the observed distribution of the population percentages for EDLT12 and ED1215 was used for the enlisted-type occupations through age 35. For ages after 35, EDLT12 was set at 8% and ED1215 was set at 67% to avoid depressing the income stream for education policies in existence prior to 1945. Table I-5 contains the education distribution for all enlisted-type jobs identified in the Census. For the officer-type occupations, the population percentages for EDLT12 and ED1215 were set to zero so that the equations predict the wage streams of college graduates in officer-type jobs. The resulting civilian wage streams were then multiplied by 1.279, the Employee Compensation Index value necessary to raise the 1979 earnings estimate to 1982 dollars. The parameter estimates in Tables I-3 and I-4 which are not significantly different from zero are identified by an asterisk.

Some caution should be used in making comparisons between these occupational civilian alternative wage streams and the Service occupational earnings streams. First, for officer-related occupations, there exist training, leadership and management responsibilities not found in the civilian sector for individuals of comparable age. In addition, the servicemembers forego certain civil rights and subject their families

to overseas tours and extended periods of separation not common in the civilian sector. Second, the civilian wage streams for the professional occupations may exhibit a downward bias due to measuring only wage and salary earnings from the Census. Generally, lawyers, doctors and dentists in the civilian sector form partnerships or are self-employed and, therefore, do not report wage and salary earnings. Only individuals reporting wage and salary earnings were used in developing these equations. Third, chaplains (clergy) in the private sector often receive payment in-kind for housing rather than actual earnings. Consequently, this equation was adjusted upward by 25% of the earnings base to partially account for the lower reported earnings. Finally, there are some officer jobs in the Service that do not exist in the civilian sector. The aggregate wage equation for white male, college graduate, civilian veterans in officer related jobs was applied to the Combat Arms and Naval Operations occupational group due to this reason.

For the enlisted-related occupations, similar caution should be used in making earnings comparisons. Here, Service training may provide the basis for obtaining a civilian job. The availability of educational benefits sponsored by the Veterans Administration may provide the opportunity to obtain a college degree after some initial period of service and hence improve one's earnings potential. Again some enlisted jobs do not exist in the civilian sector. The aggregate wage equation for white male, civilian veterans in enlisted-related jobs, regardless of education, was applied to the Infantry, Gunner and Seaman occupational group for this reason. The use of the civilian wage equation for veterans in teaching and educational-type jobs as the alternative wage stream for non-occupational students is based on the judgement that students will be in lower paying jobs until they enter a specific occupation. The civilian wage equation for veterans in teaching and educational-type jobs is somewhat below the aggregate wage equation for white, civilian veterans in enlisted-related jobs. No attempt was made to weight the separate occupational wage equations using the mix of servicemembers by age in each occupational group. Use of these Service weights by occupational group could yield a somewhat higher average aggregate wage stream for both officer and enlisted, if the mix of Service personnel was distributed more heavily toward higher paying jobs than is the mix of veterans observed in the Census. For an expanded analysis of post-Service wage and salary earnings of former military personnel, see the Coopers & Lybard study of Military Retirees' and Separatees' Post-Service Earnings, (8) Appendix Q.

Table 1-3
Civilian Wage Equations by
Officer Occupational Group

| OCCUPATION
GROUP (CODE) | CONSTANT | LAMDA1 | LAMDA2 | LAMDA3 | LAMDA4 | LAMDA5 | R ² | F-TEST | N |
|---|--------------------|----------------------|-----------------------|-----------------------|--------------------|----------------------|----------------|--------|-------|
| <u>Legal (0)</u> | 8.2893
(-.2556) | 0.083425
(.0116) | -0.000739
(.00013) | -0.78346
(.2006) | -0.6455
(.0672) | -0.1185
(.0074) | .126 | 63.9 | 2175 |
| <u>Chaplain (1)</u> | 9.8853
(-.3031) | -0.015430
(.0135) | 0.000209
(.00015) | -0.17194
(.0689) | -0.2053
(.0324) | 0.0272
(.0581) | .053 | 11.8 | 967 |
| <u>Physician (2)</u> | 6.8057
(-.2779) | 0.166514
(.0121) | -0.001668
(.00013) | -0.35222**
(.2336) | -0.4822
(.0949) | -0.1524
(.0606) | .106 | 64.3 | 2672 |
| <u>Dental (3)</u> | 6.2498
(-.6519) | 0.198539
(.0289) | -2.002161
(.00031) | | 0.1475*
(.2439) | -0.1549**
(.1605) | .078 | 12.6 | 547 |
| <u>Nurse (4)</u> | 8.248
(-.3514) | 0.064957
(.0178) | -0.000707
(.00021) | -0.09918
(.1007) | | -.0050
(.0558) | .0481 | 5.7 | 375 |
| <u>Veterinarian (5)</u> | 7.3818
(1.1667) | 0.129106
(.0523) | -0.001317
(.00057) | | -1.0029
(.1795) | | .250 | 12.6 | 107 |
| <u>Medical Service
Corps (6)</u> | 8.4712
(-.3769) | 0.071668
(.0173) | -0.000667
(.00019) | -0.4685
(.0965) | -0.3249
(.0372) | -0.1923
(.0606) | .236 | 37.3 | 589 |
| <u>Bio-Medical
Service (7)</u> | 8.2909
(-.1854) | 0.069594
(.0088) | -0.000604
(.00010) | -0.5200
(.0539) | -.4055
(.0227) | -0.1186
(.0347) | .373 | 183.6 | 1535 |
| <u>Aviators (8)(9)</u> | 5.8881
(-.3653) | 0.193914
(.0173) | -0.001903
(.00019) | -0.3752
(.1333) | -0.2036
(.0367) | -0.5639**
(.3437) | .279 | 66.9 | 854 |
| <u>Combat Arms &
Naval Ops (10)</u> | 8.3772
(-.0304) | 0.080984
(.0014) | -0.000794
(.00002) | -0.4839
(.0064) | -0.3578
(.0034) | -0.1565
(.0079) | .251 | 4432.1 | 66092 |
| <u>Combat Support (11)</u> | 8.6783
(-.0402) | 0.063735
(.0018) | -0.000627
(.00002) | -0.3491
(.0079) | -0.2375
(.0064) | -0.1348
(.0099) | .147 | 929.4 | 26900 |
| <u>Scientist &
Engineers (12)</u> | 8.2457
(-.0744) | 0.080702
(.0034) | -0.000769
(.0004) | -0.2460
(.0348) | -0.1853
(.0070) | -0.0937
(.0228) | .248 | 482.4 | 7322 |
| <u>Other (13)</u> | 8.5921
(-.0463) | 0.076569
(.00215) | -0.000744
(.00002) | -0.4147
(.0134) | -0.2868
(.0061) | -0.1561
(.0131) | .219 | 1239.8 | 22049 |

*The aggregate wage equation for officer type jobs was applied to this military occupation group as similar job definitions do not exist in the Census data set.

**Not different from zero at the 1% level of significance.

Table I-4
Civilian Wage Equations by
Enlisted Occupational Group

| OCCUPATION
GROUP (CODE) | CONSTANT | LAMDA1 | LAMDA2 | LAMDA3 | LAMDA4 | LAMDA5 | R ² | F-TEST | N |
|---|--------------------|----------------------|-------------------------|----------------------|----------------------|------------------------|----------------|---------|--------|
| Infantry Gunners
and Searns (0)* | 8.3254
(.0152) | -.078529
(.00072) | -.0007977
(.000008) | -.438772
(.00287) | -.307641
(.00224) | -.157808
(.00345) | .236 | 11664.2 | 186934 |
| Electronic
Equipment Repair (1) | 7.6773
(.1169) | -.102928
(.00572) | -.0011215
(.000067) | -.185359
(.03211) | -.054013
(.01924) | -.037442**
(.03653) | .189 | 92.66 | 1966 |
| Communications &
Intelligence (2) | 8.8872
(.06881) | -.051059
(.00323) | -.0005250
(.000037) | -.221443
(.01625) | -.162900
(.01195) | -.078907
(.01215) | .129 | 132.4 | 4424 |
| Medical & Dental (3) | 7.9382
(.1093) | -.086305
(.00519) | -.00087557
(.000059) | .555159
(.02867) | -.267738
(.01346) | -.103800
(.01772) | .294 | 323.1 | 3870 |
| Other Technical &
Allied Specialists (4) | 8.1858
(.0547) | -.079870
(.00258) | -.0007938
(.000029) | -.358437
(.01160) | -.175051
(.00670) | -.111527
(.01414) | .229 | 757.1 | 12769 |
| Support &
Administration (5) | 8.0003
(.0376) | -.092448
(.00174) | -.0009077
(.000019) | -.571455
(.00894) | -.423228
(.00441) | -.154760
(.00827) | .318 | 4444.8 | 47628 |
| Electrical/Mechanical
Equipment Repair (6) | 8.2388
(.0366) | -.074526
(.00168) | -.0007832
(.000020) | -.176926
(.01282) | -.044437
(.01202) | -.099961
(.00960) | .122 | 695.5 | 24937 |
| Craftsman (7) | 8.3685
(.0267) | -.070788
(.00124) | -.0007132
(.000016) | -.276359
(.00759) | -.151065
(.00711) | -.139410
(.00685) | .133 | 1613.1 | 52685 |
| Service & Supply (8)
Handies (8) | 8.1684
(.0259) | -.081623
(.00167) | -.0008773
(.000019) | -.260377
(.00844) | -.176522
(.00768) | -.137870
(.00668) | .113 | 864.5 | 33836 |
| Non-occupational
Students (9) | 8.2480
(.0659) | -.065458
(.00305) | -.0006822
(.000036) | -.124002
(.02426) | -.053193
(.02346) | -.114254
(.01334) | .113 | 174.7 | 6819 |

*The aggregate wage equation for enlisted type jobs was applied to this military occupation group as similar job definitions do not exist in the Census data set.

**Not different from zero at the 1% level of significance.

Table I-5
Education and % Black Profiles of Veterans in Enlisted-Type Jobs

| <u>AGE</u> | <u>EDLT12</u> | <u>ED1215</u> | <u>% BLACK</u> | <u>Sample
Size</u> |
|------------|---------------|---------------|----------------|------------------------|
| 19 | 22.2% | 97.8% | 14.3% | 63 |
| 20 | 28.4 | 69.6 | 7.8 | 204 |
| 21 | 21.5 | 77.7 | 12.2 | 507 |
| 22 | 19.5 | 79.4 | 11.2 | 950 |
| 23 | 18.6 | 79.6 | 10.0 | 1,375 |
| 24 | 15.9 | 81.4 | 11.5 | 1,660 |
| 25 | 13.9 | 81.5 | 13.0 | 1,904 |
| 26 | 11.1 | 83.4 | 11.9 | 2,113 |
| 27 | 10.9 | 80.6 | 10.0 | 2,939 |
| 28 | 9.9 | 80.0 | 8.8 | 2,977 |
| 29 | 8.5 | 78.8 | 9.2 | 4,255 |
| 30 | 8.4 | 75.7 | 8.7 | 5,464 |
| 31 | 7.6 | 71.8 | 8.4 | 6,744 |
| 32 | 7.2 | 68.9 | 7.2 | 7,569 |
| 33 | 6.7 | 66.0 | 6.6 | 7,967 |
| 34 | 8.2 | 63.3 | 8.1 | 5,780 |
| 35 | 8.9 | 61.9 | 8.2 | 5,380 |
| 36 | 9.2 | 63.2 | 7.6 | 5,181 |
| 37 | 9.8 | 64.0 | 6.9 | 5,093 |
| 38 | 11.6 | 63.4 | 2.3 | 4,300 |
| 39 | 11.5 | 63.5 | 6.9 | 4,265 |
| 40 | 13.4 | 62.6 | 7.3 | 4,230 |
| 41 | 16.3 | 60.8 | 8.2 | 4,345 |
| 42 | 16.2 | 60.1 | 7.5 | 4,435 |
| 43 | 15.5 | 60.5 | 7.8 | 4,262 |
| 44 | 16.8 | 57.3 | 8.4 | 4,508 |
| 45 | 18.1 | 54.6 | 2.6 | 4,875 |
| 46 | 19.5 | 55.5 | 7.7 | 5,586 |
| 47 | 20.5 | 53.6 | 7.0 | 5,925 |
| 48 | 21.9 | 52.9 | 6.3 | 5,790 |
| 49 | 23.5 | 51.4 | 7.1 | 6,021 |
| 50 | 25.0 | 51.7 | 7.2 | 5,785 |
| 51 | 28.5 | 47.2 | 7.0 | 5,601 |
| 52 | 31.1 | 46.1 | 6.1 | 6,430 |
| 53 | 34.3 | 42.2 | 6.3 | 6,564 |
| 54 | 33.9 | 42.4 | 6.1 | 6,413 |
| 55 | 34.0 | 42.8 | 6.4 | 6,296 |

E. ALTERNATIVE DISCOUNT RATE ASSUMPTIONS. The personal discount rates through which servicemembers place a value on future value of the pay and/or retirement income, in comparison to the present value of the pay they are receiving in their current year of service are required by the ACOL model. Previous applications of the ACOL model have generally assumed a flat discount rate of 10% across all future time horizons. To determine if this assumption was empirically valid and to obtain estimates of discount rates representative of the Service population, the Fifth QRMC contracted with Systems Research and Applications Corporation (SRA) to estimate real personal discount rates for officer and enlisted personnel. Using data from the 1978-1979 Department of Defense Survey of Officer and Enlisted Personnel, SRA obtained estimates of personal discount rates by comparing individual responses to questions pertaining to preferences for lump sum versus life stream retirement earnings. (8) Logit regressions were estimated to identify the probability individuals with known characteristics, e.g., education, length of service, financial wealth, etc., would elect a specified lump-sum retirement benefit over a given annual annuity in the life stream plan. The personal discount rates were then imputed for individuals with specific officer- and enlisted-type characteristics. The results of the SRA study are contained in Personal Discount Rates: Estimates for the Military Population provided at Attachment 3. (9)

A second approach to estimating personal discount rates was derived from an understanding of how personnel policies influence the growth of human capital over the course of a career. Personnel policies in each of the Services define the type and level of entry education necessary for recruits to enter specific careers. As the Services recruit unskilled enlisted personnel for entry at the lowest level on the career ladder, they must provide opportunities for specialized training necessary to meet increased performance requirements over the course of a career. In addition to training policies, the Services provide other policies that impact on the standard of living of their members. Some of these include the requirement for permanent change-of-station travel, the granting of annual leave and the provision for medical non-availability. When these are taken into account, the return to the Services, measured in years of working service, may be estimated for personnel in each year of service. As shown at Attachment 1, implied rates of discount may be derived from knowledge of retention rates and of how people spend their time in developing human capital over the course of a career. The implicit discount rates are real versus nominal, or money, rates as no dollar values are needed for their derivation. Yet, as shown Attachment 1, both real and nominal discount rates can be consistently estimated using the human capital approach.

Table I-6 contains a comparison of the range of alternative discount rates evaluated by the Fifth QRMC. The range of discount rates from 10% down to 3% were examined in response to Service requests. The ACOL model was then re-estimated for each set of discount rates.

Table I-6
Alternative Discount Rate Assumptions

| YOS | 10% | OFFSRA* | ENLSRA* | TAPER I** | TAPER II** | 5% | 3% |
|-----|-----|---------|---------|-----------|------------|----|----|
| 1 | 10 | 11.6 | 14.7 | 16.4 | 23.6 | 5 | 3 |
| 2 | 10 | 11.6 | 14.7 | 11.9 | 16.9 | 5 | 3 |
| 3 | 10 | 11.6 | 14.6 | 10.3 | 14.0 | 5 | 3 |
| 4 | 10 | 11.3 | 14.3 | 9.5 | 12.4 | 5 | 3 |
| 5 | 10 | 10.7 | 13.7 | 9.0 | 11.2 | 5 | 3 |
| 6 | 10 | 10.5 | 13.7 | 8.7 | 10.5 | 5 | 3 |
| 7 | 10 | 10.5 | 13.4 | 8.3 | 9.8 | 5 | 3 |
| 8 | 10 | 10.3 | 12.9 | 8.0 | 9.2 | 5 | 3 |
| 9 | 10 | 10.3 | 12.8 | 7.9 | 8.9 | 5 | 3 |
| 10 | 10 | 10.2 | 12.8 | 7.9 | 8.5 | 5 | 3 |
| 11 | 10 | 9.9 | 12.6 | 7.6 | 8.4 | 5 | 3 |
| 12 | 10 | 9.9 | 12.6 | 7.6 | 8.1 | 5 | 3 |
| 13 | 10 | 9.9 | 12.3 | 7.5 | 7.7 | 5 | 3 |
| 14 | 10 | 9.8 | 12.4 | 7.5 | 7.6 | 5 | 3 |
| 15 | 10 | 10.0 | 12.4 | 7.3 | 7.5 | 5 | 3 |
| 16 | 10 | 9.8 | 12.5 | 7.4 | 7.4 | 5 | 3 |
| 17 | 10 | 9.9 | 12.3 | 7.3 | 7.3 | 5 | 3 |
| 18 | 10 | 9.8 | 12.4 | 7.3 | 7.2 | 5 | 3 |
| 19 | 10 | 9.5 | 12.1 | 7.3 | 7.1 | 5 | 3 |
| 20 | 10 | 9.5 | 12.3 | 7.2 | 7.1 | 5 | 3 |
| 21 | 10 | 9.3 | 12.1 | 7.1 | 7.0 | 5 | 3 |
| 22 | 10 | 9.0 | 11.5 | 7.2 | 6.9 | 5 | 3 |
| 23 | 10 | 9.1 | 11.2 | 7.2 | 6.8 | 5 | 3 |
| 24 | 10 | 8.8 | 11.4 | 7.0 | 6.7 | 5 | 3 |
| 25 | 10 | 8.7 | 11.0 | 7.2 | 6.7 | 5 | 3 |
| 26 | 10 | 8.4 | 11.6 | 7.0 | 6.6 | 5 | 3 |
| 27 | 10 | 8.4 | 11.6 | 7.1 | 6.5 | 5 | 3 |
| 28 | 10 | 8.4 | 11.6 | 7.1 | 6.5 | 5 | 3 |
| 29 | 10 | 8.4 | 11.6 | 7.1 | 6.4 | 5 | 3 |
| 30 | 10 | 8.4 | 11.6 | 7.0 | 6.4 | 5 | 3 |

* Army officer and enlisted discount rates as estimated by Systems Research and Applications Corporation using the 1979 DoD Survey of Officer and Enlisted Personnel. For Service-specific rates see Personnel Discount Rates: Estimates for the Military Population, May 1983, Attachment 3.

**Estimated from Air Force data using human capital assumptions. See technical note in Attachment 1.

IV. CALIBRATION OF THE ACOL MODEL. Calibration of the ACOL model was undertaken for several reasons. First, the data sets underlying previous versions of the model excluded most Special and Incentive pays, did not cover the officer force and did not use officer- and enlisted-specific alternative civilian income streams. Second, although previous users in calibrating the model on one or more fiscal years observed varying parameter estimates for different fiscal years and different occupational groups, there had been no previous attempts to estimate the model by DoD occupational category within each Service. Third, rather than using FY82 continuation rates, which reflect high levels of unemployment in the private sector as the basis for projection, we elected to use an average of continuation rates over the past seven years (FY76-FY82). Our choice of the seven-year average continuation rates were based on the fact that these rates reflect the level of continuation rates the Services have been able to obtain, on average, over the past seven-year period and, therefore, are more reflective of long-term patterns. While it is recognized there have been substantial pay raises and changes in the application of Special and Incentive pays during the past seven years, it was believed that these changes were in response to changes in the level of the civilian alternative wage streams and, thereby, served to keep the Service versus civilian wage differential relatively constant over the longer term.

In the model calibration phase, two modes of model application were evaluated. The first mode covered estimation of the model for several alternative assumptions about the structure of discount rates (Table I-6) to be used in calculating the ACOL values. The second mode used a single set of discount rates to calibrate the model for each of the occupational groups of interest. The resulting parameters were estimated by discount-rate set for the ACOL model specified earlier in equation (6). The form of the equations estimated was:

$$(9) \ln \left(\frac{R}{1-R} \right) = \text{Constant} + \text{ALPHA} * \text{LE.5} + \text{BETA} * \text{ACOL} .$$

A. MODEL CALIBRATION USING ALTERNATIVE DISCOUNT RATES. Table I-7 provides the parameter estimates for the officer ACOL model. The corresponding standard errors are provided in parentheses. From Table I-7, one can see that, as the level of the assumed discount rate decreases the BETA also declines. This observation was expected as the dependent (left-hand side) variable in equation (9) was the same for each set of ACOLs corresponding to a given set of discount rates. Table I-8 provides similar calibration equations for the enlisted force. To estimate each of the equations in Tables I-7 and I-8, the term LE.5 was a qualitative variable set equal to one for each YOS less than or equal to five, to partially account for the effects of first-term policies. Note all parameters in Tables I-7 and I-8 are statistically different from zero at the 5% level of significance.

Table I-7
Calibrated Equations for the ACOL Model for Officers
Using Alternative Discount Rates

| <u>Discount Rates</u> | <u>Constant</u> | <u>ALPHA</u> | <u>BETA</u> | <u>R²</u> | <u>F-TEST</u> | <u>N</u> |
|-----------------------|-------------------|------------------|----------------------|----------------------|---------------|----------|
| .10 | .9859
(.2246) | .4860
(.2037) | .000084
(.000008) | .599 | 48.0 | 64 |
| SRA | 1.0290
(.2180) | .4931
(.2024) | .000074
(.000007) | .604 | 49.0 | 64 |
| TAPERED I | .9800
(.2193) | .5080
(.2009) | .000065
(.000006) | .612 | 50.6 | 64 |
| TAPERED II | 1.0140
(.2161) | .5195
(.2016) | .000060
(.000006) | .612 | 50.6 | 64 |
| .05 | .9201
(.2204) | .5049
(.1976) | .000052
(.000005) | .622 | 52.8 | 64 |
| .03 | .8683
(.2224) | .5044
(.1456) | .000041
(.000004) | .628 | 54.3 | 64 |

Table I-8
Calibrated Equations for the ACOL Model for Enlisted Personnel
Using Alternative Discount Rates

| <u>Discount Rates</u> | <u>Constant</u> | <u>ALPHA</u> | <u>BETA</u> | <u>R²</u> | <u>F-TEST</u> | <u>N</u> |
|-----------------------|-------------------|--------------------|----------------------|----------------------|---------------|----------|
| .10 | .4953
(.1345) | -1.6059
(.2203) | .000198
(.000024) | .750 | 95.5 | 64 |
| SRA | .6627
(.1292) | -1.7307
(.2252) | .000213
(.000028) | .728 | 85.4 | 64 |
| TAPERED I | .3731
(.1283) | -1.4300
(.2073) | .000162
(.000017) | .790 | 119.3 | 64 |
| TAPERED II | .1210
(.1439) | -1.3790
(.2055) | .000153
(.000015) | .797 | 124.6 | 64 |
| .05 | -.1292
(.1549) | -1.3088
(.1993) | .000130
(.000012) | .813 | 137.8 | 64 |
| .03 | -.4039
(.1651) | -1.2444
(.1912) | .000102
(.000009) | .831 | 155.5 | 64 |

B. MODEL CALIBRATION BY OCCUPATIONAL CATEGORIES. Using the Taper I discount rates, calibration of the ACOL model was conducted for each of the enlisted and officer occupational groups. These equations are provided in Table I-9 for the officer and Table I-10 for the enlisted occupational groups. Again, all the parameter values for ALPHA and BETA are statistically different from zero at the 5% level of significance for the enlisted models, with only the ALPHA for Dentist and Veterinarian equations for the officer models not being significant. Also, the constant terms in the enlisted equation for Craftsman, and in the Dentist and Veterinarian equations for officers, are not significantly different from zero.

Table I-9
Calibrated Equations for the ACOL Model for Officers
by Occupational Grouping
Using Taper I Discount Rates

| <u>Occupational
Grouping</u> | <u>Constant</u> | <u>ALPHA</u> | <u>BETA</u> | <u>R²</u> | <u>F-TEST</u> | <u>N</u> |
|-------------------------------------|--------------------|--------------------|----------------------|----------------------|---------------|----------|
| Legal | 0.1552
(.2041) | 1.5227
(.2780) | .000087
(.000007) | .727 | 85.0 | 64 |
| Chaplain | 2.0479
(.2211) | 0.4173
(.2273) | .000034
(.000005) | .469 | 21.8 | 48 |
| Physician | 1.3397
(.1010) | -0.6395
(.1935) | .000063
(.000006) | .741 | 68.1 | 48 |
| Dentist | 0.2968*
(.2805) | 0.1216*
(.3608) | .000076
(.000008) | .677 | 50.4 | 48 |
| Nurse | 0.4990
(.2386) | 0.6187
(.2665) | .000059
(.000006) | .662 | 47.0 | 48 |
| Veterinarian | 0.3684*
(.3964) | 0.3334*
(.4518) | .000051
(.000010) | .622 | 13.4 | 16 |
| Medical Service
Corps | 1.4269
(.2289) | 0.6787
(.3309) | .000075
(.000009) | .580 | 33.4 | 48 |
| Bio-Medical
Service | 0.8114
(.3272) | 0.7988
(.3802) | .000063
(.000010) | .556 | 20.4 | 32 |
| Pilots | 1.4824
(.1552) | 1.8557
(.1831) | .000070
(.000006) | .730 | 57.7 | 64 |
| Navigators
(NFOs) | 2.0533
(.1450) | 0.9519
(.2856) | .000099
(.000012) | .615 | 38.5 | 48 |
| Combat Arms and
Naval Operations | 1.0244
(.1857) | 1.3587
(.2509) | .000075
(.000006) | .752 | 72.1 | 48 |
| Combat Support | 1.0914
(.1786) | 1.2552
(.2476) | .000068
(.000006) | .734 | 65.7 | 48 |
| Scientists &
Engineers | 1.8832
(.2452) | 1.2543
(.3793) | .000047
(.000010) | .606 | 12.5 | 16 |
| Other | 0.9480
(.1967) | 1.5605
(.2649) | .000075
(.000007) | .802 | 63.8 | 32 |

* Not different from zero at the 5% level of significance.

Table I-10
Calibrated Equations for the ACOL Model for Enlisted Personnel
by 1-Digit DoD Primary Occupation Group Code
Using Taper I Discount Rates

| Occupation
Group (Code) | Constant | ALPHA | BETA | R ² | F-TEST | N |
|--|-------------------|--------------------|----------------------|----------------|--------|----|
| Infantry, Gunners
and Seaman | .4910
(.1773) | -1.0601
(.2727) | .000145
(.000022) | .605 | 49.3 | 64 |
| Electronic
Equipment Repair | -.2236
(.1270) | -0.5764
(.1958) | .000188
(.000015) | .799 | 125.9 | 64 |
| Communications &
Intelligence | .4214
(.1424) | -0.6243
(.2523) | .000156
(.000019) | .645 | 58.1 | 64 |
| Medical &
Dental | -.4395
(.2276) | -0.4117
(.2846) | .000211
(.000024) | .701 | 56.0 | 64 |
| Other Technical
& Allied
Specialties | .5715
(.1315) | -1.0399
(.2338) | .000175
(.000020) | .733 | 84.9 | 64 |
| Support &
Administration | .9387
(.1215) | -1.7922
(.2091) | .000159
(.000020) | .745 | 92.9 | 64 |
| Electrical Mech &
Equipment Repair | .2688
(.1743) | -0.7631
(.2729) | .000146
(.000020) | .606 | 49.4 | 64 |
| Craftsman | .1253*
(.1743) | -0.8903
(.2729) | .000145
(.000020) | .654 | 60.5 | 64 |
| Service & Supply | .7707
(.1690) | -1.1867
(.2707) | .000127
(.000020) | .585 | 45.4 | 64 |
| Non-Occupational
Students | -.4186
(.1254) | -0.5832
(.2154) | .000153
(.000018) | .719 | 58.6 | 46 |

V. EFFECT ON PAY ELASTICITIES OF CHANGING THE DISCOUNT RATE. The original BETA coefficient (.000227) of the Annualized Cost of Leaving (ACOL) variable in the enlisted ACOL model was estimated based upon a 10% real discount rate, assumed to be constant and independent of length of Service (Warner, "Alternative Military Retirement Systems: Their Effects on Enlisted Retention," September 1979). The annualized cost of leaving variable is defined as the annualized difference in the present value of Service and civilian compensation, constructed over an "optimal" time horizon (one that maximizes ACOL). As such, the magnitude of the independent variable is a function of the discount rate; the smaller the discount rate, the larger the independent variable. The discount rate itself is as much a part of the appropriate measure of the independent variable as the basic pay and allowance tables themselves. Using the "wrong" discount rate is potentially as serious an "errors-in-variables" problem as using the wrong basic pay table.

Historical variation in Service and civilian pay has been generally "across-the-board". There has not been significant variation in the relative proportions of current and deferred income within Service pay that would allow us to discern the "right" discount rate based upon the direction of the retention response. That is, an historical experiment in which a change in the mix of Service compensation would result in a decline in the measured independent variable (ACOL) under a relatively high discount rate, but an increase in the ACOL under a relatively low discount rate would allow us to discern which set of discount rates were closer to the truth by examining the change in retention rates that result. Such a pure test does not exist. The closest approximation to such an experiment was a change in the method of paying Selective Reenlistment Bonuses from installment to lump sums in 1979. The resulting increase in retention rates was consistent with a personal discount rate for Navy enlisted personnel making their first reenlistment decision of about 18% (see Cylke, et al.). (9)

In addition to examining the reenlistment bonus experiment as a way to measure personal discount rates, two other approaches were reviewed. First, using the results of the 1978-1979 DoD Survey of Officers and Enlisted Personnel (10), Systems Research and Applications Corporation developed sets of discount rates for each Service (see Personnel Discount Rates: Estimates for the Military Population (11), May 1983, Attachment 3). Second, a set of tapered discount rates were developed using an analysis of human capital as a basis for explaining retention behavior within the Air Force. For a technical explanation of the development of the tapered discount rates see Attachment 1.

Given the degree of uncertainty surrounding the "right" discount rates to use in the ACOL analysis, the model was recalibrated for the range of discount rates discussed earlier in Table I-6. To evaluate whether the recalibrated models predicted changes in retention similar to those historically observed, pay elasticities were estimated for an assumed 10% pay raise.

The pay elasticities for officer personnel are defined as the percentage change in retention due to a percentage change in pay for those members who do not have prior service. No adjustment has been made in the officer elasticities to control for personnel within 12 months of the end of their obligated service. As expected, the officer pay elasticities are lower than those of enlisted members. Again, the elasticities beyond YOS 20 are larger than those in the pre-20 YOS. Unlike the enlisted, however, the post-20 YOS elasticities are larger than elasticities for officers at the end of their initial service obligations. If only 1/3 of the officer personnel at each year of service are considered free to make a stay or leave decision, then the elasticities reported in Table I-11 through I-14 would be about three times greater and would be comparable to the elasticities for enlisted personnel.

The pay elasticities for enlisted personnel are defined as the percentage change in retention due to a percentage change in pay for those members who are within 12 months of the end of their terms of service. The resulting pay elasticities for enlisted personnel are provided for selected alternate discount rate structures, by Service, in Tables I-15 through I-18. As these tables indicate, first- and second-term pay elasticities are generally in the range from 1.5 to 3.5, consistent with the findings of previous studies (for example, see Warner and Simon, 1979). (12) Beyond YOS 20, the pay elasticities are generally larger than those for YOS 12 through 19, but less than first-term elasticities.

Table I-11
Pay Elasticities for Army Officer Personnel
Using Alternative Discount Rates

| <u>YOS</u> | <u>.10</u> | <u>SRA</u> | <u>TAPER I</u> | <u>.05</u> | <u>.03</u> |
|------------|------------|------------|----------------|------------|------------|
| 1 | 0.13 | 0.13 | 0.12 | 0.10 | 0.09 |
| 2 | 0.31 | 0.30 | 0.27 | 0.26 | 0.23 |
| 3 | 0.45 | 0.44 | 0.39 | 0.37 | 0.32 |
| 4 | 0.52 | 0.51 | 0.46 | 0.43 | 0.37 |
| 5 | 0.41 | 0.39 | 0.36 | 0.33 | 0.29 |
| 6 | 0.37 | 0.35 | 0.33 | 0.31 | 0.27 |
| 7 | 0.30 | 0.30 | 0.27 | 0.24 | 0.22 |
| 8 | 0.26 | 0.26 | 0.24 | 0.22 | 0.19 |
| 9 | 0.20 | 0.21 | 0.18 | 0.17 | 0.14 |
| 10 | 0.16 | 0.15 | 0.14 | 0.13 | 0.12 |
| 11 | 0.24 | 0.24 | 0.21 | 0.20 | 0.18 |
| 12 | 0.20 | 0.20 | 0.19 | 0.18 | 0.16 |
| 13 | 0.08 | 0.08 | 0.07 | 0.07 | 0.06 |
| 14 | 0.07 | 0.07 | 0.07 | 0.06 | 0.05 |
| 15 | 0.33 | 0.33 | 0.30 | 0.28 | 0.26 |
| 16 | 0.12 | 0.12 | 0.11 | 0.10 | 0.10 |
| 17 | 0.23 | 0.23 | 0.20 | 0.19 | 0.18 |
| 18 | 0.02 | 0.02 | 0.02 | 0.02 | 0.01 |
| 19 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| 20 | 1.06 | 0.98 | 0.92 | 0.91 | 0.68 |
| 21 | 0.80 | 0.72 | 0.70 | 0.68 | 0.51 |
| 22 | 0.85 | 0.78 | 0.74 | 0.73 | 0.56 |
| 23 | 0.63 | 0.55 | 0.53 | 0.53 | 0.37 |
| 24 | 0.61 | 0.53 | 0.51 | 0.51 | 0.35 |
| 25 | 0.69 | 0.63 | 0.59 | 0.58 | 0.44 |
| 26 | 1.78 | 1.75 | 1.64 | 1.57 | 1.56 |
| 27 | 0.97 | 0.81 | 0.81 | 0.80 | 0.53 |
| 28 | 1.81 | 1.54 | 1.51 | 1.48 | 1.03 |
| 29 | 2.15 | 1.83 | 1.83 | 1.81 | 1.28 |
| 30 | 2.66 | 2.29 | 2.27 | 2.25 | 1.57 |

Table I-12
Pay Elasticities for Navy Officer Personnel
Using Alternative Discount Rates

| <u>YOS</u> | <u>.10</u> | <u>SRA</u> | <u>TAPER I</u> | <u>.05</u> | <u>.03</u> |
|------------|------------|------------|----------------|------------|------------|
| 1 | 0.09 | 0.09 | 0.08 | 0.07 | 0.07 |
| 2 | 0.23 | 0.23 | 0.21 | 0.20 | 0.17 |
| 3 | 0.26 | 0.26 | 0.23 | 0.22 | 0.19 |
| 4 | 0.41 | 0.39 | 0.36 | 0.34 | 0.29 |
| 5 | 0.54 | 0.53 | 0.47 | 0.45 | 0.39 |
| 6 | 0.55 | 0.53 | 0.48 | 0.46 | 0.40 |
| 7 | 0.53 | 0.51 | 0.47 | 0.44 | 0.37 |
| 8 | 0.36 | 0.36 | 0.33 | 0.30 | 0.26 |
| 9 | 0.27 | 0.27 | 0.24 | 0.23 | 0.20 |
| 10 | 0.39 | 0.38 | 0.35 | 0.34 | 0.28 |
| 11 | 0.28 | 0.28 | 0.25 | 0.24 | 0.20 |
| 12 | 0.13 | 0.12 | 0.11 | 0.11 | 0.10 |
| 13 | 0.09 | 0.09 | 0.08 | 0.08 | 0.07 |
| 14 | 0.07 | 0.07 | 0.06 | 0.06 | 0.05 |
| 15 | 0.05 | 0.05 | 0.05 | 0.04 | 0.04 |
| 16 | 0.05 | 0.05 | 0.04 | 0.03 | 0.03 |
| 17 | 0.04 | 0.04 | 0.03 | 0.02 | 0.02 |
| 18 | 0.04 | 0.02 | 0.01 | 0.01 | 0.01 |
| 19 | 0.30 | 0.30 | 0.30 | 0.30 | 0.29 |
| 20 | 1.13 | 1.02 | 0.98 | 0.97 | 0.71 |
| 21 | 0.79 | 0.71 | 0.69 | 0.68 | 0.50 |
| 22 | 0.65 | 0.59 | 0.57 | 0.56 | 0.42 |
| 23 | 0.61 | 0.54 | 0.52 | 0.52 | 0.35 |
| 24 | 0.67 | 0.58 | 0.58 | 0.57 | 0.41 |
| 25 | 0.68 | 0.62 | 0.59 | 0.58 | 0.44 |
| 26 | 2.86 | 2.86 | 2.75 | 2.67 | 2.66 |
| 27 | 1.00 | 0.85 | 0.85 | 0.84 | 0.55 |
| 28 | 0.86 | 0.73 | 0.73 | 0.73 | 0.48 |
| 29 | 2.23 | 1.89 | 1.79 | 1.71 | 1.24 |
| 30 | 2.32 | 1.97 | 1.94 | 1.85 | 1.35 |

Table I-13
Pay Elasticities for USMC Officer Personnel
Using Alternative Discount Rates

| <u>YOS</u> | <u>.10</u> | <u>SRA</u> | <u>TAPER I</u> | <u>.05</u> | <u>.03</u> |
|------------|------------|------------|----------------|------------|------------|
| 1 | 0.05 | 0.05 | 0.04 | 0.04 | 0.03 |
| 2 | 0.15 | 0.14 | 0.12 | 0.11 | 0.09 |
| 3 | 0.46 | 0.45 | 0.40 | 0.38 | 0.32 |
| 4 | 0.47 | 0.44 | 0.39 | 0.36 | 0.32 |
| 5 | 0.47 | 0.45 | 0.41 | 0.39 | 0.33 |
| 6 | 0.49 | 0.47 | 0.44 | 0.40 | 0.35 |
| 7 | 0.33 | 0.32 | 0.29 | 0.27 | 0.23 |
| 8 | 0.33 | 0.32 | 0.29 | 0.28 | 0.24 |
| 9 | 0.20 | 0.19 | 0.17 | 0.16 | 0.15 |
| 10 | 0.19 | 0.18 | 0.17 | 0.16 | 0.13 |
| 11 | 0.33 | 0.32 | 0.28 | 0.28 | 0.24 |
| 12 | 0.35 | 0.35 | 0.32 | 0.29 | 0.27 |
| 13 | 0.10 | 0.10 | 0.09 | 0.09 | 0.08 |
| 14 | 0.06 | 0.06 | 0.06 | 0.05 | 0.05 |
| 15 | 0.05 | 0.05 | 0.04 | 0.04 | 0.04 |
| 16 | 0.03 | 0.03 | 0.03 | 0.03 | 0.02 |
| 17 | 0.02 | 0.02 | 0.02 | 0.01 | 0.01 |
| 18 | 0.02 | 0.02 | 0.02 | 0.01 | 0.01 |
| 19 | 0.02 | 0.02 | 0.01 | 0.01 | 0.01 |
| 20 | 1.53 | 1.41 | 1.35 | 1.33 | 0.99 |
| 21 | 1.13 | 1.02 | 0.97 | 0.95 | 0.72 |
| 22 | 0.77 | 0.71 | 0.67 | 0.66 | 0.50 |
| 23 | 0.57 | 0.50 | 0.48 | 0.48 | 0.33 |
| 24 | 0.58 | 0.51 | 0.50 | 0.49 | 0.34 |
| 25 | 0.84 | 0.77 | 0.72 | 0.71 | 0.54 |
| 26 | 3.30 | 3.24 | 3.17 | 3.09 | 2.88 |
| 27 | 0.99 | 0.83 | 0.80 | 0.79 | 0.56 |
| 28 | 1.33 | 1.13 | 1.10 | 1.07 | 0.79 |
| 29 | 1.61 | 1.37 | 1.37 | 1.37 | 1.15 |
| 30 | 2.09 | 1.80 | 1.79 | 1.79 | 1.32 |

Table I-14
Pay Elasticities for USAF Officer Personnel
Using Alternative Discount Rates

| <u>YOS</u> | <u>.10</u> | <u>SRA</u> | <u>TAPER I</u> | <u>.05</u> | <u>.03</u> |
|------------|------------|------------|----------------|------------|------------|
| 1 | 0.06 | 0.06 | 0.05 | 0.05 | 0.05 |
| 2 | 0.25 | 0.25 | 0.23 | 0.22 | 0.18 |
| 3 | 0.22 | 0.21 | 0.20 | 0.18 | 0.16 |
| 4 | 0.38 | 0.36 | 0.33 | 0.32 | 0.27 |
| 5 | 0.25 | 0.24 | 0.22 | 0.21 | 0.18 |
| 6 | 0.47 | 0.45 | 0.41 | 0.39 | 0.33 |
| 7 | 0.33 | 0.32 | 0.29 | 0.27 | 0.24 |
| 8 | 0.27 | 0.27 | 0.24 | 0.33 | 0.20 |
| 9 | 0.21 | 0.20 | 0.18 | 0.17 | 0.15 |
| 10 | 0.17 | 0.17 | 0.16 | 0.15 | 0.13 |
| 11 | 0.21 | 0.20 | 0.19 | 0.18 | 0.16 |
| 12 | 0.25 | 0.24 | 0.22 | 0.21 | 0.19 |
| 13 | 0.12 | 0.12 | 0.11 | 0.10 | 0.10 |
| 14 | 0.01 | 0.01 | 0.01 | 0.01 | 0.07 |
| 15 | 0.12 | 0.12 | 0.11 | 0.11 | 0.10 |
| 16 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 |
| 17 | 0.02 | 0.02 | 0.02 | 0.01 | 0.02 |
| 18 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 |
| 19 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 |
| 20 | 1.17 | 1.10 | 1.03 | 1.01 | 0.79 |
| 21 | 1.05 | 0.91 | 0.88 | 0.88 | 0.63 |
| 22 | 0.88 | 0.80 | 0.77 | 0.75 | 0.56 |
| 23 | 0.70 | 0.61 | 0.59 | 0.59 | 0.40 |
| 24 | 0.77 | 0.65 | 0.65 | 0.65 | 0.43 |
| 25 | 1.03 | 0.91 | 0.85 | 0.84 | 0.64 |
| 26 | 2.55 | 2.52 | 2.48 | 2.37 | 2.16 |
| 27 | 1.31 | 1.10 | 1.10 | 1.09 | 0.75 |
| 28 | 2.79 | 2.42 | 2.35 | 2.28 | 1.63 |
| 29 | 4.61 | 4.35 | 3.61 | 3.61 | 2.22 |
| 30 | 6.91 | 5.23 | 4.55 | 4.48 | 2.97 |

Table I-15
Pay Elasticities USAF Officer Personnel
Using Alternative Discount Rates

| <u>YOS</u> | <u>.10</u> | <u>SRA</u> | <u>TAPER I</u> | <u>.05</u> | <u>.03</u> |
|------------|------------|------------|----------------|------------|------------|
| 1 | | | | | |
| 2 | 2.31 | 2.11 | 2.02 | 1.92 | 1.78 |
| 3 | 3.34 | 3.02 | 2.92 | 2.69 | 2.52 |
| 4 | 2.96 | 2.44 | 2.71 | 2.43 | 2.33 |
| 5 | 2.48 | 2.22 | 2.46 | 2.16 | 2.10 |
| 6 | 2.12 | 2.18 | 1.87 | 1.66 | 1.61 |
| 7 | 2.05 | 2.12 | 1.82 | 1.62 | 1.56 |
| 8 | 2.01 | 2.08 | 1.79 | 1.59 | 1.49 |
| 9 | 1.85 | 1.91 | 1.66 | 1.48 | 1.33 |
| 10 | 1.50 | 1.55 | 1.36 | 1.22 | 1.10 |
| 11 | 1.23 | 1.27 | 1.11 | 1.01 | 0.92 |
| 12 | 1.08 | 1.11 | 0.99 | 0.90 | 0.82 |
| 13 | 0.93 | 0.85 | 0.86 | 0.78 | 0.72 |
| 14 | 0.83 | 0.85 | 0.77 | 0.71 | 0.65 |
| 15 | 0.61 | 0.63 | 0.58 | 0.53 | 0.50 |
| 16 | 0.49 | 0.50 | 0.47 | 0.44 | 0.41 |
| 17 | 0.47 | 0.48 | 0.46 | 0.43 | 0.41 |
| 18 | 0.14 | 0.14 | 0.12 | 0.12 | 0.11 |
| 19 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 |
| 20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 21 | 2.62 | 2.81 | 2.29 | 1.95 | 1.81 |
| 22 | 2.15 | 2.23 | 1.91 | 1.65 | 1.46 |
| 23 | 1.68 | 1.76 | 1.52 | 1.22 | 1.15 |
| 24 | 1.65 | 1.72 | 1.50 | 1.33 | 1.17 |
| 25 | 1.34 | 1.41 | 1.19 | 1.04 | 0.43 |
| 26 | 1.01 | 1.05 | 0.94 | 0.84 | 0.76 |
| 27 | 2.02 | 2.09 | 1.88 | 1.71 | 0.73 |
| 28 | 2.04 | 2.15 | 1.76 | 1.47 | 1.19 |
| 29 | 1.40 | 1.47 | 1.21 | 1.01 | 0.81 |
| 30 | 1.71 | 1.81 | 1.46 | 1.21 | 0.96 |

Table I-16
Pay Elasticities for Navy Enlisted Personnel
Using Alternative Discount Rates

| <u>YOS</u> | <u>.10</u> | <u>SRA</u> | <u>TAPER I</u> | <u>.05</u> | <u>.03</u> |
|------------|------------|------------|----------------|------------|------------|
| 1 | | | | | |
| 2 | 2.03 | 2.11 | 1.77 | 1.59 | 1.48 |
| 3 | 3.16 | 3.32 | 2.75 | 2.42 | 2.15 |
| 4 | 3.30 | 3.48 | 2.87 | 2.52 | 2.21 |
| 5 | 3.28 | 3.27 | 2.86 | 2.51 | 2.20 |
| 6 | 2.78 | 2.94 | 2.45 | 2.15 | 1.90 |
| 7 | 3.12 | 3.30 | 2.74 | 2.41 | 2.13 |
| 8 | 2.14 | 2.25 | 1.90 | 1.69 | 1.51 |
| 9 | 2.01 | 2.12 | 1.80 | 1.60 | 1.44 |
| 10 | 1.73 | 1.82 | 1.56 | 1.40 | 1.26 |
| 11 | 1.37 | 1.44 | 1.24 | 1.11 | 1.02 |
| 12 | 1.05 | 1.11 | 0.96 | 0.87 | 0.80 |
| 13 | 0.81 | 0.85 | 0.75 | 0.69 | 0.63 |
| 14 | 0.57 | 0.60 | 0.53 | 0.49 | 0.46 |
| 15 | 0.45 | 0.47 | 0.42 | 0.39 | 0.36 |
| 16 | 0.35 | 0.36 | 0.33 | 0.31 | 0.29 |
| 17 | 0.30 | 0.32 | 0.29 | 0.28 | 0.26 |
| 18 | 0.09 | 0.08 | 0.08 | 0.08 | 0.07 |
| 19 | 0.06 | 0.005 | 0.005 | 0.005 | 0.004 |
| 20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 21 | 2.66 | 2.87 | 2.33 | 2.00 | 1.69 |
| 22 | 1.76 | 1.91 | 1.53 | 1.32 | 1.20 |
| 23 | 1.87 | 2.02 | 1.69 | 1.47 | 1.27 |
| 24 | 1.42 | 2.52 | 1.24 | 1.06 | 0.96 |
| 25 | 1.20 | 1.29 | 1.06 | 0.95 | 0.86 |
| 26 | 1.02 | 1.09 | 0.95 | 0.86 | 0.77 |
| 27 | 1.83 | 1.94 | 1.71 | 1.54 | 0.77 |
| 28 | 1.21 | 1.28 | 1.07 | 0.92 | 0.77 |
| 29 | 0.76 | 1.08 | 0.67 | 0.58 | 0.48 |
| 30 | 1.65 | 1.75 | 1.44 | 1.21 | 0.99 |

Table I-17
Pay Elasticities for USMC Enlisted Personnel
Using Alternative Discount Rates

| <u>YOS</u> | <u>.10</u> | <u>SRA</u> | <u>TAPER I</u> | <u>.05</u> | <u>.03</u> |
|------------|------------|------------|----------------|------------|------------|
| 1 | | | | | |
| 2 | 2.80 | 2.90 | 2.46 | 2.21 | 2.18 |
| 3 | 3.60 | 3.75 | 3.14 | 2.80 | 2.69 |
| 4 | 3.31 | 3.46 | 2.91 | 2.59 | 2.35 |
| 5 | 3.39 | 3.55 | 2.98 | 2.64 | 2.35 |
| 6 | 2.90 | 3.04 | 2.57 | 2.29 | 2.04 |
| 7 | 2.05 | 2.15 | 1.84 | 1.64 | 1.48 |
| 8 | 1.91 | 2.01 | 1.72 | 1.54 | 1.39 |
| 9 | 1.75 | 1.84 | 1.58 | 1.42 | 1.29 |
| 10 | 1.72 | 1.80 | 1.56 | 1.41 | 1.28 |
| 11 | 1.47 | 1.54 | 1.35 | 1.22 | 1.11 |
| 12 | 1.06 | 1.11 | 0.98 | 0.89 | 0.82 |
| 13 | 0.83 | 0.86 | 0.77 | 0.70 | 0.65 |
| 14 | 0.62 | 0.64 | 0.58 | 0.53 | 0.50 |
| 15 | 0.55 | 0.57 | 0.52 | 0.48 | 0.45 |
| 16 | 0.40 | 0.42 | 0.38 | 0.36 | 0.34 |
| 17 | 0.37 | 0.38 | 0.35 | 0.34 | 0.32 |
| 18 | 0.09 | 0.08 | 0.08 | 0.07 | 0.07 |
| 19 | 0.004 | 0.003 | 0.003 | 0.003 | 0.003 |
| 20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 21 | 2.88 | 3.11 | 2.53 | 2.17 | 1.84 |
| 22 | 1.85 | 1.99 | 1.64 | 1.44 | 1.26 |
| 23 | 1.86 | 1.98 | 1.69 | 1.49 | 1.31 |
| 24 | 1.33 | 1.42 | 1.18 | 1.03 | 0.87 |
| 25 | 1.16 | 1.23 | 1.03 | 0.88 | 0.79 |
| 26 | 0.84 | 0.89 | 0.78 | 0.70 | 0.63 |
| 27 | 1.73 | 1.82 | 1.61 | 1.45 | 0.64 |
| 28 | 1.30 | 1.37 | 1.17 | 0.94 | 0.76 |
| 29 | 1.24 | 1.31 | 1.07 | 0.89 | 0.72 |
| 30 | 1.21 | 1.28 | 1.04 | 0.87 | 0.69 |

Table I-18
Pay Elasticities for USAF Enlisted Personnel
Using Alternative Discount Rates

| <u>YOS</u> | <u>.10</u> | <u>SRA</u> | <u>TAPER I</u> | <u>.05</u> | <u>.03</u> |
|------------|------------|------------|----------------|------------|------------|
| 1 | | | | | |
| 2 | 3.69 | 3.50 | 3.21 | 3.07 | 2.82 |
| 3 | 3.81 | 3.57 | 3.54 | 3.29 | 3.07 |
| 4 | 1.83 | 1.75 | 1.93 | 1.76 | 1.68 |
| 5 | 2.21 | 2.39 | 2.63 | 2.32 | 2.26 |
| 6 | 2.39 | 2.19 | 2.12 | 1.88 | 1.83 |
| 7 | 2.42 | 2.43 | 2.14 | 1.90 | 1.84 |
| 8 | 1.92 | 2.01 | 1.72 | 1.53 | 1.47 |
| 9 | 1.74 | 1.82 | 1.57 | 1.40 | 1.26 |
| 10 | 1.58 | 1.65 | 1.43 | 1.28 | 1.16 |
| 11 | 1.25 | 1.31 | 1.14 | 1.03 | 0.94 |
| 12 | 0.81 | 0.84 | 0.74 | 0.68 | 0.62 |
| 13 | 0.47 | 0.49 | 0.44 | 0.40 | 0.37 |
| 14 | 0.46 | 0.48 | 0.43 | 0.40 | 0.37 |
| 15 | 0.34 | 0.35 | 0.32 | 0.29 | 0.27 |
| 16 | 0.19 | 0.20 | 0.18 | 0.17 | 0.16 |
| 17 | 0.08 | 0.09 | 0.08 | 0.08 | 0.07 |
| 18 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 |
| 19 | 0.002 | 0.001 | 0.001 | 0.001 | 0.001 |
| 20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 21 | 2.60 | 2.79 | 2.29 | 1.97 | 1.68 |
| 22 | 1.70 | 1.18 | 1.52 | 1.35 | 1.20 |
| 23 | 1.65 | 1.75 | 1.51 | 1.34 | 1.18 |
| 24 | 1.94 | 2.08 | 1.71 | 1.48 | 1.13 |
| 25 | 1.11 | 1.12 | 0.98 | 0.88 | 0.79 |
| 26 | 0.85 | 0.89 | 0.79 | 0.71 | 0.64 |
| 27 | 4.23 | 4.46 | 3.90 | 3.49 | 1.30 |
| 28 | 2.01 | 2.13 | 1.75 | 1.47 | 1.20 |
| 29 | 3.21 | 3.42 | 2.77 | 2.29 | 1.86 |
| 30 | 1.99 | 2.11 | 1.70 | 1.14 | 1.11 |

VI. APPROACH TO ANALYSIS. With the basic models in hand, the analysis proceeded along the path of evaluating the effects of changes in each of the retirement characteristics on the Service force structures. Each policy change was evaluated against the current retirement system and the associated seven-year average base case force structure. As noted earlier, the seven-year average force structure represents a nominally smaller career force structure.

A. RETIREMENT CHARACTERISTICS EVALUATED. Beginning with the seven-year average base case as a reference point, policy changes were evaluated using the ACOL model to predict the changes in the force structure due to the change in retirement policy. Initially, each type of policy change was separately evaluated over a range of options. The types of policy changes evaluated include:

1. Analysis of the change to computing the retirement benefit on the basis of high 3-years' basic (HI-3) pay;
2. Modification of the multiplier (current system is .025 per years of service, maximum at 30 of 75%);
3. Decrement to the pre-30 YOS multiplier (a decrement vector by YOS was used to adjust defined benefit levels, current system has all zero);
4. Analysis of cost-of-living adjustment (COLA) for a specified inflation factor (current system provides 100% COLA with an inflation factor of 5%);
5. Evaluation of vesting by YOS (current system is 20 YOS) and deferred annuity age (current system is 38 for enlisted, 42 for officers);
6. Analysis of the impact of integration with social security (current system does not have a social security offset applied to the retirement benefit); and
7. Analysis of the effects of providing for an EARLY WITHDRAWAL of deferred retirement annuities.

Once sensitivity of the force structure to these types of changes was observed, alternative combinations of selected options were then evaluated. All of the above retirement characteristics may be examined in combination as well as individually to evaluate alternative retirement systems such as: dual-track systems, which include early vesting with deferred annuities; reduced multiplier and COLA capped, with and without allowance for EARLY WITHDRAWAL; or pre-30 YOS decremented retirement benefit with EARLY WITHDRAWAL and a social security offset against the retirement benefit at age 62 or 65.

B. SELECTED MODEL RESULTS. Model results are provided for six scenarios using the modified multiplier option. The volume of data and model output products associated with analysis of all the options is too great to publish here. A repository of hard copy and computerized data sets is being established within the Defense Manpower Data Center. To provide an understanding of how the Service force structures respond to alternative policy options, only model results associated with the modified multiplier option are presented. Six scenarios were evaluated using the modified multiplier option in combination with the the September 1980 change in law to use HI-3 averaging as the basis for computing the retirement benefit. Basing the retirement benefits on the HI-3 averaging only affects members who entered service after September 7, 1980. Thus, retirement will be calculated on the last three-years' average basic pay rather than the basic pay for the highest grade in which a member has served. Table I-19 describes the retirement benefit level as a percent of basic pay for Scenarios 2 through 5 below.

Table I-19
Retirement Benefit Level as Percent of Basic Pay
Modified Multiplier Options

| YOS | Current System | Multiplier Reduction Percentage | | | | |
|-----|----------------|---------------------------------|-------|-------|-------|-------|
| | | 10% | 20% | 30% | 40% | 50% |
| 20 | 50.0 | 45.00 | 40.00 | 35.00 | 30.00 | 25.00 |
| 21 | 52.5 | 47.25 | 42.00 | 36.75 | 31.50 | 26.25 |
| 22 | 55.0 | 49.50 | 44.00 | 38.50 | 33.00 | 27.50 |
| 23 | 52.5 | 51.75 | 46.00 | 40.25 | 34.50 | 28.75 |
| 24 | 80.0 | 53.00 | 48.00 | 42.00 | 36.00 | 30.00 |
| 25 | 62.5 | 56.25 | 50.00 | 43.75 | 37.50 | 31.25 |
| 26 | 65.0 | 58.50 | 52.00 | 45.50 | 39.00 | 32.50 |
| 27 | 67.5 | 60.75 | 54.00 | 47.25 | 40.50 | 33.75 |
| 28 | 70.0 | 63.00 | 56.00 | 49.00 | 42.00 | 35.00 |
| 29 | 72.5 | 65.25 | 58.00 | 50.75 | 43.50 | 36.50 |
| 30 | 75.0 | 67.50 | 60.00 | 52.50 | 45.00 | 37.50 |

The ACOL results are presented by Service in Tables I-20 through I-67 for the enlisted force structures and Tables I-68 through I-115 for the officer force structures, following the main body of this appendix. Except those showing the income streams, the column headings refer to the base case and the scenario numbers as follows:

Scenario 1: HI-3 Average
Scenario 2: 10% reduction in the multiplier
Scenario 3: 20% reduction in the multiplier
Scenario 4: 30% reduction in the multiplier
Scenario 5: 40% reduction in the multiplier
Scenario 6: 50% reduction in the multiplier
Scenario 7: 100% reduction in the multiplier

Tables I-20 through I-31 refer to the Army enlisted force structure; Tables I-32 through I-42 refer to the Navy enlisted force structure; Tables I-44 through I-55 refer to the Marine Corps enlisted force structures; and Tables I-56 through I-67 refer to the Air Force structure. The order of the tables for each Service are:

1. Military and Civilian Income Streams
2. Annualized Cost of Leaving
3. Pay Component of the Annualized Cost of Leaving
4. Retirement Component of the Annualized Cost of Leaving
5. Force Table
6. Reenlistment Rates (enlisted members within 12 months of ETS)
7. Continuation rates (enlisted members within 12 months of ETS, officers with no prior service)
8. Survival Rates
9. Present Value Gap
10. Strengths by Grade and Year of Service (Scenarios 1 and 4 only)
11. Cost Summary

The income streams display the Service pay and civilian incomes (CIVV) by age and corresponding year of service -- the income streams, except for retirement annuity benefits, are the same for each scenario evaluated in the remaining tables. Again, Scenario 1 represents the change in retirement computation from the current system to the HI-3 average. Scenarios 2 through 6 represent 10% through 50% reductions in the multiplier, with Scenario 7 representing a 100% reduction in the multiplier (i.e., elimination of the retirement system). The ACOL tables reflect the reductions in computing the retirement benefit. The ACOL values, made up of the two components, pay and retirement, are shown in each of the respective tables. The force table reflects the new force structure under each scenario.

Note how the force strength at 20 YOS declines as the corresponding ACOL value declines. Note also how the required accession level increases as the value of retirement, and therefore the ACOL value, declines across scenarios. Because fewer people are retained to 20 YOS, the accession levels must increase to sustain the constant force size required for each Service as the value of retirement is reduced. The model was constrained to sustain FY82 force levels under all policy options evaluated. The model does not imply that the required accession levels could be obtained by the Services.

In using the ACOL model, the continuation rates respond to changes in the level of the ACOL values through the effects of changes in the reenlistment rates for enlisted members within 12 months of ETS. For the officer model, the continuation rates respond to changes in the level of the ACOL values through the effects of changes in the NPS retention rates. Tables I-68 through I-79 refer to the Army officer force structure; Tables I-80 through I-91 refer to the Navy officer force

structure; Table I-92 through I-103 refer to the Marine Corps officer for structure; and Tables I-104 through I-115 refer to the Air Force officer force structure. For both the officer and enlisted structures, the continuation rates observed by YOS are sequentially multiplied across YOS to obtain the expected survival rates to each YOS. Mathematically we have:

$$(10) \text{ SURVIVAL}_t = \text{CONT}_0 * \text{CONT}_1 * \text{CONT}_2 * \dots * \text{CONT}_t .$$

The survival rates represent the strength remaining in a given YOS as a percentage of those who entered the Service. Summation of the survival rates yields the Expected Service Life (ESL) of the force. That is:

$$(11) \text{ ESL}_T = \sum_{t=1}^T \text{SURVIVAL}_t = \sum_{t=1}^T \frac{\text{STRN}_t}{\text{STRN}_1} .$$

By using the predicted retention rates from equation (6) and information on the retention rates for personnel not at ETS (for prior service personnel in the officer model), along with the percent of personnel who are at ETS (% NPS in the officer model), the continuation rates may be obtained as shown earlier in equation (7).

Given the continuation rates from equation (7), survival rates are then computed in accordance with equation (10) and summed to yield the ESL in equation (11). Recognizing the numerator in equation (11) is total force strength, the ESL is seen to be total force strength (STRN_t) divided by the accession level (STRN_1). Equation (11) may then be rewritten to solve for a steady-state accession level as both FY82 end strength and ESL are known. Hence we have:

$$(12) \text{ STRN}_1 = \frac{\text{FY82 End Strength}}{\text{ESL}_T} ,$$

where STRN_1 represents the steady-state accession level required to sustain the force under the associated scenario.

The process of predicting retention behavior is based on the assumption that individuals deciding to remain or leave service have some idea as to the present value of Service versus civilian employment at each stage of their career. The ACOL model uses a set of discount rates to compute the present value of both the Service and the alternative civilian future income streams. The key assumption in the model is that both individuals who leave, as well as those who stay, choose the income path which yields the maximum present value of future earnings, subject to Service needs and the individual's preference for Service versus civilian life styles. The difference in the present value of the Service versus civilian income stream is then computed. In the present value gap tables, the difference between the present value of Service

and civilian income streams is shown for the base case. For Scenario 1, representing the HI-3 average and the modified multiplier scenarios, the reduction from the base case present value is provided. One can see the reduction in present value of future Service earnings resulting from each modified multiplier option in the present value gap tables. The reduction in present value will also track directly to the reduction in reenlistment rates observed in the reenlistment rate tables. It is the reduction in present value at a given YOS which must be offset to raise the reenlistment rates back to their original level, and thereby obtain a force structure consistent with the base case force structure. But as previously indicated in Figures I-2 through I-9, the base case seven-year average force structure generally represents a nominally smaller career force than either the Service current objective or baseline force structures. Hence, somewhat larger offsets than the present value gaps indicated in the table may be necessary to obtain the current objective or baseline force structures.

With each new force structure projected by the model, a strength table by grade and YOS is developed. Examples of the strength tables for the HI-3 average (Scenario 1) and the 30% multiplier reduction (Scenario 4) are provided for illustrative purposes. In the strength tables, losses by YOS along with the loss rate, continuation rate and survival rate, are provided. The total strength by grade, the percentage of the force in each grade, and the FY82 manpower grade ceilings are provided at the bottom of each strength table. Each strength table by grade and YOS becomes an input to the force structure flow model which links the ACOL projected force to the Defense Manpower Static Model (DMSM) and to the DoD Actuarial Retirement Model (GORGO) maintained by the Office of the Actuary at the Defense Manpower Data Center. As shown earlier in Figure I-1, GORGO is used to produce aggregate entry-age normal cost projections and budget outlay projections for each retirement plan evaluated.

Finally, the cost summary from the ACOL model represents the steadystate cost for each retirement alternative which, under idealized conditions, would evolve at some time in the future. It does not represent a budget costing of the current retirement system; the DMSM was used to develop budget cost estimates.

C. TRANSITION. To evaluate the effect of transitioning from the current retirement system to an alternative system, a transition capability was designed into the ACOL model. This process involved using FY82 continuation rates to age the FY82 force two years for each Service in order to estimate FY84 strengths by YOS. These FY84 strength force profiles were then aged in the ACOL model using continuation rates related to alternative retirement compensation assumptions. For each fiscal year into the future, end strengths were set at the FY82 constrained level, new strengths by YOS were computed by multiplying the previous fiscal year strengths in each YOS by the applicable YOS continuation rate. The new accession level was obtained by subtracting the new

strengths for YOS 2 through 35 from the controlled FY82 end strength. In equation form, the accession levels, or strength in YOS one, for each new fiscal year was calculated as:

$$(13) \text{ STRN}_1 = \text{End strength} - \sum_{t=2}^{35} (\text{STRN}_t * \text{CONT}_t).$$

The appropriate continuation-rate set applied in each fiscal year during the transition was obtained by splicing two separate sets of continuation rates at the YOS selected for grandfathering. For example, if the retirement alternative being evaluated grandfathered all members on active duty with 12 or more YOS, then the ACOL continuation rates for the new system would apply to all members in YOS 12 and under. The grandfathered historical seven-year average rates would apply to all members in YOS 13 and over in FY84. Furthermore, as the FY84 strengths aged into the future, the grandfather point was also aged one year at a time so that the appropriate continuation rates would apply to the grandfathered portion of the force in each future fiscal year. In addition to using the historical unadjusted seven-year average continuation rates for the portion of the force grandfathered during transition to a new retirement system, the seven-year average continuation rates could be adjusted to reflect the influence that not grandfathering any COLA caps might have. Tables I-116 through I-123 show the continuation rate structures for transitioning each Service's officer and enlisted force structures to a retirement alternative, such as 75% COLA to age 62 with a 3% pre-30 YOS retirement benefit reduction and EARLY WITHDRAWAL provisions. The continuation rates for FY84 in these tables assume those members grandfathered for the purposes of the new retirement system are not grandfathered for the 75% COLA provision. The EARLY WITHDRAWAL provisions were 200% of basic pay at the 20th YOS for officers and 300% of basic pay at the 20th YOS for enlisted members. As can be seen from each table, the grandfathered continuation pattern marches down the diagonal to the right beginning at the 13th YOS. The resulting force structures corresponding to Tables I-116 through I-123 are provided in Tables I-124 through I-131 following the main body of this appendix. Note that YOS 1 strengths are the same as the FY84 strengths and YOS 2 represents the first transition year. Also, note how the accession level performs a random walk during the transition and begins to stabilize after about 20 years of maintaining a constant end strength. As shown in Section XI.E., Volume I, the majority of the fluctuation in accession levels is due to causes other than transition to the alternative retirement system. Past personnel management policies and end strength fluctuations appear to be the main causes of these fluctuations in the accession levels. It should also be noted that because end strengths were controlled at FY82 levels, the resulting accession levels will not correspond to the Service Program Objective Memorandum (POM) submissions. Because the model has the capability to set future force strengths at desired levels, POM or other

dynamic strength transition assumptions could also be evaluated. The model has the capability to transition to any set of strength projections for up to 81 years into the future.

VII. LIMITATIONS OF THE ACOL MODEL.

A. PREVIOUS CRITICISMS. The ACOL model, as is true of any model, is a tool which may be used to help management make informed judgments. The ACOL model cannot, and will not, produce predictions in lieu of management decisions. In the past, the ACOL model has been critized from three perspectives. The first criticism relates to the uncertainty of future income streams, the second addresses random events other than those associated with the uncertainty of income streams, and the third addresses shifts in the tastes and preferences of a new cohort entering under a new retirement system.

1. Uncertainty of Future Income Streams. The first criticism is based on the fact that future Service and civilian income streams in ACOL are assumed to be known with certainty. If the income streams were known with certainty, an individual's time horizon for staying in the Service would also be known with certainty. In reality, future income streams are generally not known with certainty. However, as can be seen by comparing the retirement and pay components of the ACOL values, the retirement component is positive and monotonically increasing over the course of a career up to the point of retirement eligibility. Alternatively, the pay component is positive for the officer force and, at times, negative for the enlisted force but relatively flat. This implies that the uncertainty of changes in the differential between Service and civilian income streams serves to change the level of the ACOL values and therefore, the level of the corresponding pattern of continuation rates. That is, when Service pay falls behind the level of civilian compensation, as occurred in 1979, continuation rates drop. When Service pay catches up, as in 1981, continuation rates improve. Independent of the level of the pay differential, the period of service required for retirement eligibility has historically been known with certainty, i.e., 20 years of creditable service. This ACOL model limitation pertaining to Service and civilian income differentials serves as a reminder that retired pay cannot overcome degraded compensation. Compensation policy will need to continue to strive toward the objective of keeping the gap between Service and civilian income streams relatively narrow. Further support for this observation is contained in Section XI.B., Volume I.

2. Random Events. The second criticism is that ACOL is insensitive to random events, other than those associated with the uncertainty of the income streams, and that those may induce members to leave. This argument suggests that if members are aware of the probabilities with which such random events will occur, they will incorporate these probabilities into their costs of leaving calculations. While no model can purport to capture all the uncertainty associated with random events, this criticism is partially addressed by use of the tapered discount rates applied in the Fifth QPMC version of the ACOL model. The tapered

discount rates allow members deciding to stay or leave the Service to adjust their future discount rates based on knowledge of how their predecessors responded to personnel management decisions concerning entry age, training, permanent-change-of-station move activity, leave policy, medical nonavailability and experience requirements. While the tapered rates capture the influence of a significant range of personnel policies, they were based on observed behavior of Air Force enlisted personnel. Further research needs to be conducted in this area to bring the full range of personnel management policies to bear on the retention decisions of members in all the Uniformed Services.

3. Preference Shifts. The third criticism is that people who enter and remain in the Service do so, on average, because they have a "taste" or preference for the particular structure of incentives offered by the system. These tastes or preferences will, in general, differ from those of the population at large. The taste distribution, so to speak, of those who remain of a given entry cohort at each YOS will be a function not only of the incentives they currently face but of the incentives faced by that cohort of individuals at each YOS as it moves through the personnel system, with some members choosing to leave each year. Hence, the distribution of preferences within a given cohort will change systematically by YOS as those who tend to have a relatively greater preference for the incentives offered tend to remain, while those who do not tend to leave. Moreover, the taste distribution of those who remain of any two entry cohorts will differ at any given YOS based upon the differences in the financial incentives those cohorts faced as they moved through the system.

This notion that the "taste" distribution of those who remain in the Service varies systematically with the incentives they face may also affect the average values of various parameters. For example, one would expect the discount rate of a member picked at random from the cohort of members with 19 YOS under the current system to be lower than that picked from the cohort at YOS 19 under an alternative that eliminated the retirement system. Put differently, the marginal rate of substitution between small changes in current and deferred income for servicemembers will differ, in the long run, depending upon the structure of incentives provided by the system. The pessimistic conclusion is that we can only guess how these, and other personnel characteristics will change in response to a radical change in the system, because we do not have sufficient information to fully specify our analytical models. While this issue is of concern, the study at Attachment 5, Determinants of Military Retention (13), indicates that for measurable taste variables, selectivity does not appear to have biasing implications for Service retention analysis.

Finally, this line of argument highlights the point that, if the change in the system is not fully grandfathered, the retention rates observed during the transition period will differ from the rates under the original structure of the system; but, they will also differ from the new steady-state rates.

B. PROBLEMS OF APPLICATION. In addition to the previous theoretical criticisms of the ACOL model several problems of an applied nature arose during its use.

1. Assumption of Constant Reactions. First, as discussed earlier, is the assumption that the reactions of prior service officers and enlisted personnel not ETS remain constant. This assumption may be expected to result in an upward bias in the continuation rates when Service compensation declines. The extent to which the expected drop in retention rates for the prior service officers and enlisted personnel not at ETS could be offset by changing personnel management policies related to training, tour lengths and enlistment periods, and thereby change the fractions of prior service officers and enlisted personnel not at ETS is not known.

2. Development of Steady-State Rates. Second, because the ACOL model calculates the response of retention rates at each YOS to a change in the retirement system using the retention rate observed under the current system as a base, difficulty results when attempting to infer the new "steady-state" rates. For example, consider the hypothetical experiment of eliminating the retirement system entirely. The ACOL model would produce a YOS-19 retention rate close to zero. This would, in fact, be a reasonable prediction for the retention rate in the year of an unanticipated and ungrandfathered elimination of the retirement system. However, in the long run, the YOS-19 rate would be much different. Those in YOS 10, say, would take into account the loss of the retirement system; for those who decided to remain (and there would surely be many fewer than currently) the retention rate from 19 to 20 YOS would be quite high, much higher than ACOL would predict based upon the current methods. Furthermore, management would react by changing personnel and compensation policies to retain the necessary levels of experience in the force.

Similar differences between the short-run (ungrandfathered) retention rates and the steady-state rates resulting from a radical change in incentives would occur at other YOS. However, the differences are probably greatest as one approaches the vesting point of the current system -- 16 to 19 YOS. Relatively minor differences would be observed, for example, at the first-term reenlistment point. For this reason, the 16- to 19-YOS rates are adjusted, to an extent, outside of a strict application of the model.

Alternatively, consider the case of moving the vesting point of the retirement system from YOS 20 to 22, 24 or 30. Because historical retention patterns have not been observed for a retirement system with an extended vesting policy, the ACOL model cannot be calibrated in a manner consistent with the extended vesting policy. Two alternative approaches to this problem were taken. First, using the historical seven-year average continuation patterns, the number of years of service for retirement eligibility were extended, the values were adjusted, and a new pattern of continuation rates was observed. Under these conditions,

the size of the career force increased marginally for vesting at 22 or 24 and then decreased marginally for vesting at 26 through 30 YOS. For each of these extended eligibility vesting options, the size of the force over-20 YOS increased significantly above the base case, as shown in Section XI.C., Volume 1.

The second alternative approach to extend vesting assumed the peak retention rates would be observed in the YOS immediately preceeding the first year of vesting. The historical retention rates were shifted to correspond to the appropriate vesting option. For example, to evaluate vesting after 22 YOS, the seven-year average retention rates for members in their 20th YOS were shifted to YOS 22. Similarly, seven-year average retention rates for YOS 6 through 19 were shifted to YOS 8 through 21. The retention rates for the first 5 YOS were left unchanged. To fill the gap between YOS 5 and 8, the seven-year average retention rate for YOS 5 was duplicated into YOS 6, while the historical retention rate for YOS 6 was duplicated into YOS 7. This retention rate shift-and-gap-splicing procedure was used for each of the extended vesting options analyzed. Retention rates after the 20th YOS were also shifted two years of service with those pushed beyond YOS 35 being dropped. Under this alternative set of retention assumptions, the size of the career force declined significantly and accession levels increased with each extension in retirement eligibility.

3. Lateral Accessions. Due to the nature of the warrant officer force structure which provides for a majority of new entrants through lateral accessions from prior enlisted service, consistent continuation rates to satisfy the closed steady-state structure of the ACOL model could not be developed.

4. Data Limitations. Due to the small force size of both the National Oceanic and Atmospheric Administration and the Public Health Service, consistent retention rate data to support the requirement of the ACOL model could not be obtained. Finally, the ACOL model could not initially be applied to the Coast Guard force due to data limitations. However, by using some assumptions concerning the similarity of Coast Guard and Navy operations and through judical application of policy related to Special and Incentive pays, a version of the ACOL model was developed for the Cost Guard. Results of the ACOL model analysis of the Coast Guard force reponse to selected changes in retirement policy are provided in Attachment 2.

Table I-20
Army Enlisted Military Versus Civilian Income Streams

| ***** INCOME STREAMS: MILITARY PAY ***** | | | | | | | | | | | |
|--|-----------|--------|-------|-------|--------|-------|-------|--------|--------|---------|---------|
| SCENARIO NO. | AGE (LOS) | BASE | BAS | VHA | PAQ | SIPAT | TAXIS | IPONUS | MILPAT | ANNUITY | CIVIL |
| 18 | 1 | 7711 | 1643 | 135 | 1869 | 1157 | 871 | 0 | 13367 | 0 | 12476 |
| 19 | 2 | 7908 | 1643 | 135 | 1985 | 470 | 926 | 0 | 13866 | 0 | 13197 |
| 20 | 3 | 8576 | 1643 | 141 | 2144 | 130 | 981 | 0 | 13615 | 0 | 13974 |
| 21 | 4 | 9380 | 1643 | 181 | 2382 | 529 | 1037 | 0 | 15132 | 0 | 14685 |
| 22 | 5 | 10239 | 1643 | 224 | 2663 | 551 | 1097 | 0 | 16417 | 0 | 15449 |
| 23 | 6 | 10372 | 1643 | 249 | 2819 | 263 | 1126 | 0 | 16471 | 0 | 16223 |
| 24 | 7 | 11165 | 1643 | 259 | 2920 | 426 | 1143 | 0 | 17495 | 0 | 17005 |
| 25 | 8 | 11487 | 1643 | 275 | 3044 | 695 | 1190 | 0 | 18252 | 0 | 17762 |
| 26 | 9 | 12131 | 1643 | 290 | 3145 | 680 | 1238 | 0 | 19046 | 0 | 18581 |
| 27 | 10 | 12299 | 1643 | 298 | 3217 | 683 | 1263 | 0 | 19423 | 0 | 19370 |
| 28 | 11 | 13048 | 1643 | 318 | 3303 | 739 | 1301 | 0 | 20343 | 0 | 20154 |
| 29 | 12 | 13276 | 1643 | 339 | 3353 | 385 | 1337 | 0 | 20334 | 0 | 20935 |
| 30 | 13 | 14096 | 1643 | 360 | 3401 | 393 | 1373 | 0 | 21272 | 0 | 21705 |
| 31 | 14 | 14421 | 1643 | 394 | 3475 | 382 | 1432 | 0 | 21745 | 0 | 22467 |
| 32 | 15 | 15147 | 1643 | 411 | 3516 | 341 | 1456 | 0 | 22521 | 0 | 23201 |
| 33 | 16 | 15296 | 1643 | 424 | 3549 | 320 | 1483 | 0 | 22715 | 0 | 23925 |
| 34 | 17 | 15853 | 1643 | 435 | 3577 | 296 | 1506 | 0 | 23309 | 0 | 24625 |
| 35 | 18 | 15988 | 1643 | 444 | 3593 | 320 | 1529 | 0 | 23517 | 0 | 25299 |
| 36 | 19 | 16581 | 1643 | 457 | 3610 | 246 | 1569 | 0 | 24106 | 0 | 25944 |
| 37 | 20 | 16765 | 1643 | 467 | 3640 | 237 | 1601 | 0 | 24361 | 8382 | 26556 |
| 38 | 21 | 17396 | 1643 | 488 | 3729 | 216 | 1600 | 0 | 25137 | 9134 | 27134 |
| 39 | 22 | 18314 | 1643 | 531 | 3854 | 249 | 1703 | 0 | 26383 | 10072 | 27674 |
| 40 | 23 | 19549 | 1643 | 542 | 3891 | 224 | 1850 | 0 | 27689 | 11241 | 28173 |
| 41 | 24 | 21200 | 1643 | 611 | 4078 | 187 | 2096 | 0 | 29816 | 12720 | 28629 |
| 42 | 25 | 21693 | 1643 | 625 | 4133 | 194 | 2199 | 0 | 30427 | 13558 | 29039 |
| 43 | 26 | 21935 | 1643 | 633 | 4173 | 179 | 2249 | 0 | 30911 | 14258 | 29401 |
| 44 | 27 | 24882 | 1643 | 657 | 4300 | 226 | 2379 | 0 | 34087 | 16795 | 29714 |
| 45 | 28 | 25056 | 1643 | 662 | 4310 | 212 | 2416 | 0 | 34299 | 17539 | 29975 |
| 46 | 29 | 25129 | 1643 | 664 | 4300 | 150 | 2431 | 0 | 34328 | 18218 | 30164 |
| 47 | 30 | 25129 | 1643 | 664 | 4353 | 150 | 2431 | 0 | 34369 | 18846 | 30338 |
| 48 | 31 | 25560 | 1643 | 676 | 4383 | 150 | 2523 | 0 | 34935 | 19170 | 30438 |
| 49 | 32 | 25560 | 1643 | 676 | 4424 | 150 | 2523 | 0 | 34976 | 19170 | 30482 |
| 50 | 33 | 25560 | 1643 | 676 | 4424 | 150 | 2523 | 0 | 34976 | 19170 | 30471 |
| 51 | 34 | 25560 | 1643 | 676 | 4424 | 150 | 2523 | 0 | 34976 | 19170 | 30425 |
| 52 | 35 | 25560 | 1643 | 676 | 4424 | 150 | 2523 | 0 | 34976 | 19170 | 30283 |
| 53 | 36 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 19170 | 30105 |
| 54 | 37 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 19170 | 29877 |
| 55 | 38 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 19170 | 29555 |
| 56 | 39 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 19170 | 29262 |
| 57 | 40 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 19170 | 28940 |
| 58 | 41 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 19170 | 28451 |
| 59 | 42 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 19170 | 27875 |
| 60 | 43 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 19170 | 27462 |
| 61 | 44 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 19170 | 26987 |
| 62 | 45 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 19170 | 26314 |
| 63 | 46 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 19170 | 25556 |
| 64 | 47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 19170 | 24632 |
| TOTALS: | | 599653 | 57409 | 15090 | 124425 | 11902 | 59565 | 0 | 868736 | 476652 | 1171414 |

Table I-21
Army Enlisted Annualized Cost of Leaving (ACOL)

FILE: ACCLMATE PAGE1A A1

VM/SP CONVERSATIONAL MONITOR SYSTEM

ACOL OUTPUT DATE OF RUN: 11/21/83 16:56:10 BASE YEAR: SEVEN YEAR AVG.
SERVICE: ARMY ENLISTED MTN 12 * * AGGREGATE * *
CURRENT
YR VESTED: 20 20 20 20 20 20 20 20
ANNUITY AGE: 38 38 38 38 38 38 38 38
MULTIPLIER: .025 .025 .025 .025 .025 .025 .025 .025
DECREMENTED? Y Y Y Y Y Y Y Y
PAY CHANGES? N N N N N N N N
BETA VT.: .000162 .000162 .000162 .000162 .000162 .000162 .000162 .000162
INLOSS: .000 .000 .000 .000 .000 .000 .000 .000
COLA ADJ? N N N N N N N N
AVG. CPI: .000 .000 .000 .000 .000 .000 .000 .000
--- ACOL MATRIX ---
CASE NO. 1 2 3 4 5 6 7
YEAR OF SERVICE
2 2652 2492 2228 1979 1734 1489 1244 282
3 2930 2792 2498 2204 1915 1646 1378 367
4 3247 3147 2819 2491 2163 1835 1539 696
5 3529 3458 3092 2726 2361 1995 1642 968
6 3830 3750 3342 2933 2525 2116 1707 409
7 4263 4174 3716 3258 2800 2342 1884 490
8 4735 4635 4116 3604 3089 2574 2058 463
9 5293 5188 4597 4015 3432 2850 2267 465
10 5958 5829 5166 4503 3840 3178 2515 216
11 6824 6676 5916 5157 4397 3637 2878 232
12 7863 7692 6814 5935 5057 4178 3299 236
13 9086 8886 7878 6849 5821 4793 3764 313
14 11139 10922 9688 8458 7236 6014 4792 382
15 13656 13368 11887 10405 8924 7443 5961 485
16 17184 16825 14979 13133 11287 9442 7596 597
17 22656 22190 19795 17400 15026 12611 10216 775
18 31841 31196 27684 24571 21259 17946 14634 985
19 50514 49512 44359 39207 34055 28903 23751 1272
20 106687 104609 93029 83248 72560 61887 51287 1604
21 6748 5557 4601 3846 3291 2535 2250 2025
22 9727 7213 6363 5513 4662 3812 2967 2488
23 13166 10719 9600 8481 7361 6242 5123 2942
24 18058 14954 13578 12201 10824 9448 8071 3374
25 10199 14754 13423 12092 10762 9431 8101 3667
26 14066 12078 11011 9944 8877 7810 6743 3984
27 32911 18819 17374 15930 14485 13040 11596 4380
28 10628 18132 16751 15378 13989 12608 11228 4381
29 9353 17618 16271 14923 13575 12228 10888 4392
30 8145 8847 8365 7884 7402 6921 6439 4445
31 4807 2553 2747 2942 3136 3331 3525 4546
32 976 2227 2453 2660 2907 3133 3360 4560
33 949 2168 2395 2629 2863 3098 3332 4585
34 986 929 1347 1705 2064 2422 2780 4630
35 1097 1097 1457 1816 2176 2535 2895 4693

Table I-22
Army Enlisted Pay Component of ACOL

FILE: ACOLMATE PAGE2A A1

VM/SP CONVERSATIONAL MONITOR SYSTEM

ACOL OUTPUT
SERVICE: ARMY
CURRENT
DATE OF RUN: 11/21/83
ENLISTED MEN
16:56:10 BASE YEAR: SEVEN YEAR AVG.
10 * * AGGREGATE * *

| CASE NO. | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|----------------------------|---------|---------|---------|---------|---------|---------|---------|
| YR VESTED: | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| ANNUITY AGE: | 38 | 38 | 38 | 38 | 38 | 38 | 38 |
| MULTIPLIER: | .025 | .025 | .025 | .025 | .025 | .025 | .025 |
| DECREMENTED? | Y | Y | Y | Y | Y | Y | Y |
| PAY CHANGES? | N | N | N | N | N | N | N |
| BETA WT.: | .000162 | .000162 | .000162 | .000162 | .000162 | .000162 | .000162 |
| INLOSS: | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| COLA ADJ? | N | N | N | N | N | N | N |
| AVG. CPI: | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| --- ACOL PAY COMPONENT --- | | | | | | | |
| YEAR OF SERVICE | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| 2 | -84 | -149 | -149 | 19 | 19 | 19 | 282 |
| 3 | -79 | -151 | -151 | 34 | 34 | 34 | 367 |
| 4 | -55 | -132 | -132 | -132 | -132 | 07 | 698 |
| 5 | -198 | -198 | -198 | -198 | -198 | 31 | 968 |
| 6 | -335 | -335 | -335 | -335 | -335 | -335 | 489 |
| 7 | -486 | -486 | -486 | -486 | -486 | -486 | 490 |
| 8 | -518 | -518 | -518 | -518 | -518 | -518 | 463 |
| 9 | -646 | -646 | -646 | -646 | -646 | -646 | 465 |
| 10 | -799 | -799 | -799 | -799 | -799 | -799 | 216 |
| 11 | -920 | -920 | -920 | -920 | -920 | -920 | 232 |
| 12 | -1094 | -1094 | -1094 | -1094 | -1094 | -1094 | 236 |
| 13 | -1178 | -1178 | -1178 | -1178 | -1178 | -1178 | 313 |
| 14 | -1318 | -1318 | -1318 | -1318 | -1318 | -1318 | 382 |
| 15 | -1445 | -1445 | -1445 | -1445 | -1445 | -1445 | 485 |
| 16 | -1633 | -1633 | -1633 | -1633 | -1633 | -1633 | 597 |
| 17 | -1759 | -1759 | -1759 | -1759 | -1759 | -1759 | 775 |
| 18 | -1928 | -1928 | -1928 | -1928 | -1928 | -1928 | 985 |
| 19 | -2010 | -2010 | -2010 | -2010 | -2010 | -2010 | 1272 |
| 20 | -2196 | -2196 | -2196 | -2196 | -2196 | -2196 | 1604 |
| 21 | -1997 | -1997 | -1997 | -1997 | -1997 | 1067 | 2025 |
| 22 | -1291 | -1291 | -1291 | -1291 | -1291 | 1582 | 2488 |
| 23 | -474 | -474 | -474 | -474 | -474 | -474 | 2942 |
| 24 | 1188 | 1188 | 1188 | 1188 | 1188 | 1188 | 3374 |
| 25 | 1448 | 1448 | 1448 | 1448 | 1448 | 1448 | 3667 |
| 26 | 2841 | 1489 | 1489 | 1489 | 1489 | 1489 | 3984 |
| 27 | 4373 | 4373 | 4373 | 4373 | 4373 | 4373 | 4380 |
| 28 | 4324 | 4324 | 4324 | 4324 | 4324 | 4324 | 4381 |
| 29 | 4142 | 4142 | 4142 | 4142 | 4142 | 4142 | 4392 |
| 30 | 4031 | 4031 | 4031 | 4031 | 4031 | 4031 | 4445 |
| 31 | 4497 | 4497 | 4497 | 4497 | 4497 | 4497 | 4546 |
| 32 | 4493 | 4493 | 4493 | 4493 | 4493 | 4493 | 4566 |
| 33 | 4505 | 4505 | 4505 | 4505 | 4505 | 4505 | 4585 |
| 34 | 4571 | 4571 | 4571 | 4571 | 4571 | 4571 | 4630 |
| 35 | 4693 | 4693 | 4693 | 4693 | 4693 | 4693 | 4693 |

Table I-23
Army Enlisted Retirement Component of ACOL

FILE: ACOIMATF PACFSA A1

VM/SP CONVERSATIONAL MONITOR SYSTEM

ACOI OUTPUT
SERVICE: ARMY
CURRENT
DATE OF RUN: 11/21/83
ENLISTED MEN
16:56:10 BASE YEAR: SEVEN YEAR AVG.
10 * * ACCRIGATE * *

| CASE NO. | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|---------------------------------|---------|---------|---------|---------|---------|---------|---------|
| YR VESTED: | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| ANNUITY AGE: | 38 | 38 | 38 | 38 | 38 | 38 | 38 |
| MULTIPLIER: | .025 | .025 | .025 | .025 | .025 | .025 | .025 |
| DECREMENTED? | Y | Y | Y | Y | Y | Y | Y |
| PAY GRANGES? | N | N | N | N | N | N | N |
| BETA WT.: | .000162 | .000162 | .000162 | .000162 | .000162 | .000162 | .000162 |
| ENLOSS: | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| COLA ADJ? | N | N | N | N | N | N | N |
| AVG. CPI: | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| == ACOL RETIREMENT COMPONENT == | | | | | | | |
| YEAR OF SERVICE | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| 2 | 2736 | 2641 | 2377 | 1960 | 1715 | 1470 | 0 |
| 3 | 3068 | 2943 | 2649 | 2354 | 1882 | 1613 | 0 |
| 4 | 3383 | 3278 | 2950 | 2623 | 2295 | 1967 | 0 |
| 5 | 3727 | 3656 | 3290 | 2925 | 2559 | 2193 | 0 |
| 6 | 4165 | 4086 | 3677 | 3268 | 2860 | 2451 | 0 |
| 7 | 4669 | 4579 | 4122 | 3664 | 3206 | 2748 | 0 |
| 8 | 5253 | 5153 | 4637 | 4122 | 3607 | 3092 | 0 |
| 9 | 5939 | 5826 | 5243 | 4660 | 4078 | 3495 | 0 |
| 10 | 6756 | 6627 | 5965 | 5302 | 4639 | 3976 | 0 |
| 11 | 7744 | 7596 | 6836 | 6077 | 5317 | 4558 | 0 |
| 12 | 8957 | 8786 | 7908 | 7029 | 6150 | 5272 | 0 |
| 13 | 10404 | 10204 | 9255 | 8227 | 7199 | 6170 | 0 |
| 14 | 12457 | 12219 | 10998 | 9776 | 8554 | 7332 | 0 |
| 15 | 15101 | 14813 | 13332 | 11851 | 10369 | 8888 | 0 |
| 16 | 16817 | 16458 | 14612 | 12920 | 11075 | 9229 | 0 |
| 17 | 24415 | 23949 | 21554 | 19159 | 16764 | 14369 | 0 |
| 18 | 33769 | 33125 | 29812 | 26500 | 23187 | 19875 | 0 |
| 19 | 52524 | 51522 | 46370 | 41218 | 36065 | 30913 | 0 |
| 20 | 100883 | 100805 | 90125 | 85444 | 74764 | 64083 | 0 |
| 21 | 8737 | 7554 | 6798 | 6043 | 5288 | 4532 | 0 |
| 22 | 11018 | 8504 | 7654 | 6803 | 5953 | 5102 | 0 |
| 23 | 13040 | 11194 | 10074 | 8955 | 7836 | 6716 | 0 |
| 24 | 16903 | 13767 | 12300 | 11013 | 9637 | 8260 | 0 |
| 25 | 0751 | 13306 | 11975 | 10645 | 9314 | 7983 | 0 |
| 26 | 11225 | 10668 | 9682 | 8535 | 7468 | 6401 | 0 |
| 27 | 20538 | 14446 | 13002 | 11557 | 10112 | 8668 | 0 |
| 28 | 0305 | 13068 | 12427 | 11046 | 9666 | 8285 | 0 |
| 29 | 5211 | 13470 | 12129 | 10781 | 9434 | 8086 | 0 |
| 30 | 4114 | 4016 | 4335 | 3853 | 3371 | 2890 | 0 |
| 31 | 310 | -1944 | -1749 | -1553 | -1361 | -1166 | 0 |
| 32 | -3517 | -2267 | -2040 | -1813 | -1587 | -1360 | 0 |
| 33 | -3556 | -2344 | -2110 | -1876 | -1641 | -1407 | 0 |
| 34 | -3562 | -3582 | -3224 | -2868 | -2508 | -2149 | 0 |
| 35 | -3586 | -3596 | -3237 | -2877 | -2517 | -2158 | 0 |

Table I-24
Army Enlisted Force Structures

FILE: ACOLMATE PAGF4A A1

VM/SP CONVERSATIONAL MONITOR SYSTEM

ACOL OUTPUT
SERVICE: ARMY
CURRENT
DATE OF RUN: 11/21/83
ENLISTED MEN
16:56:10 BASE YEAR: SEVEN YEAR AVG.
10 * * AGGREGATE * *

| YR VESTED: | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
|--------------|---------|---------|---------|---------|---------|---------|---------|---------|
| ANNUITY AGE: | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 |
| MULTIPLIER: | .025 | .025 | .025 | .025 | .025 | .025 | .025 | .025 |
| DECREMENTED? | Y | Y | Y | Y | Y | Y | Y | Y |
| PAY CHANGES? | N | N | N | N | N | N | N | N |
| BETA WT.: | .000162 | .000162 | .000162 | .000162 | .000162 | .000162 | .000162 | .000162 |
| ENLOSS: | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| COLA ADJ? | N | N | N | N | N | N | N | N |
| AVG. CPI: | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |

--- FORCE TABLE ---

| CASE NO. | BASE | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|-----------------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1 | 135220 | 136652 | 140421 | 144104 | 147700 | 151205 | 154484 | 164142 |
| 2 | 112681 | 113899 | 117038 | 120105 | 123099 | 126018 | 128748 | 136786 |
| 3 | 94865 | 95125 | 97691 | 100196 | 102648 | 105023 | 107249 | 113759 |
| 4 | 48786 | 49187 | 49863 | 50491 | 51073 | 51611 | 52122 | 53614 |
| 5 | 34841 | 35095 | 35324 | 35517 | 35677 | 35806 | 35925 | 36507 |
| 6 | 30690 | 30911 | 31034 | 31124 | 31185 | 31219 | 31244 | 31504 |
| 7 | 25683 | 25851 | 25981 | 26073 | 26139 | 26194 | 26233 | 26518 |
| 8 | 21543 | 21661 | 21765 | 21845 | 21906 | 21951 | 21993 | 19843 |
| 9 | 18395 | 18378 | 18064 | 17730 | 17382 | 17024 | 16668 | 15713 |
| 10 | 16215 | 16201 | 15867 | 15458 | 15038 | 14611 | 14189 | 12994 |
| 11 | 14814 | 14840 | 14391 | 13928 | 13457 | 12982 | 12513 | 11151 |
| 12 | 13715 | 13724 | 13226 | 12715 | 12196 | 11676 | 11155 | 9654 |
| 13 | 12794 | 12786 | 12235 | 11670 | 11098 | 10527 | 9966 | 8286 |
| 14 | 12115 | 12094 | 11500 | 10890 | 10274 | 9659 | 9057 | 7243 |
| 15 | 11629 | 11569 | 10967 | 10317 | 9657 | 8998 | 8353 | 6389 |
| 16 | 11258 | 11219 | 10552 | 9862 | 9157 | 8449 | 7754 | 5630 |
| 17 | 10991 | 10946 | 10249 | 9520 | 8770 | 8013 | 7271 | 5035 |
| 18 | 10628 | 10781 | 10076 | 9331 | 8554 | 7758 | 6963 | 4513 |
| 19 | 10728 | 10681 | 9981 | 9238 | 8460 | 7654 | 6833 | 4012 |
| 20 | 10615 | 10568 | 9875 | 9141 | 8371 | 7573 | 6760 | 3517 |
| 21 | 5854 | 5324 | 4673 | 4048 | 3456 | 2905 | 2520 | 1281 |
| 22 | 3750 | 2889 | 2375 | 1918 | 1519 | 1179 | 941 | 455 |
| 23 | 2722 | 1850 | 1420 | 1062 | 773 | 546 | 394 | 153 |
| 24 | 2044 | 1193 | 840 | 570 | 372 | 233 | 147 | 33 |
| 25 | 1575 | 1044 | 714 | 468 | 292 | 174 | 104 | 18 |
| 26 | 1304 | 811 | 533 | 333 | 197 | 111 | 62 | 9 |
| 27 | 977 | 589 | 361 | 208 | 112 | 56 | 28 | 2 |
| 28 | 668 | 518 | 308 | 171 | 88 | 42 | 20 | 1 |
| 29 | 513 | 480 | 280 | 152 | 77 | 36 | 16 | 0 |
| 30 | 370 | 357 | 204 | 109 | 53 | 24 | 10 | 0 |
| 31 | 59 | 42 | 25 | 13 | 7 | 3 | 1 | 0 |
| 32 | 10 | 8 | 5 | 3 | 1 | 1 | 0 | 0 |
| 33 | 2 | 2 | 1 | 1 | 0 | 0 | 0 | 0 |
| 34 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 35 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| TTL INESTRENGTH | 677362 | 677362 | 677362 | 677362 | 677362 | 677362 | 677362 | 677362 |
| EXP. SERV. LIFE | 5 | 5 | 5 | 5 | 5 | 4 | 4 | 4 |

Table I-25
Army Enlisted Reenlistment Rates

FILE: ACCLMATE PACESA A1

VM/SP CONVERSATIONAL MONITOR SYSTEM

| | | | | | | | | |
|----------------------------|-----------------------|---------|---------|---------|-------------------------------------|---------|---------|---------|
| ACOL OUTPUT | DATE OF RUN: 11/21/83 | | | | 16:56:10 BASE YEAR: SEVEN YEAR AVG. | | | |
| SERVICE: ARMY | ENLISTED MEN | | | | 10 * * AGGREGATE * * | | | |
| CURRENT | | | | | | | | |
| YR VESTED: | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| ANNUITY AGE: | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 |
| MULTIPLIER: | .025 | .025 | .025 | .025 | .025 | .025 | .025 | .025 |
| DECREMENTED? | Y | Y | Y | Y | Y | Y | Y | N |
| PAY CHANGES? | N | N | N | N | N | N | N | N |
| BETA WT.: | .000162 | .000162 | .000162 | .000162 | .000162 | .000162 | .000162 | .000162 |
| ENLOSS: | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| COLA ADJ? | N | N | N | N | N | N | N | N |
| AVG. CPI: | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| --- REENLISTMENT RATES --- | | | | | | | | |
| CASE NO. | 1 | 2 | 3 | 4 | 5 | 6 | 7 | |
| YEAR OF SERVICE | | | | | | | | |
| 1 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 2 | .396 | .389 | .379 | .370 | .361 | .352 | .343 | .308 |
| 3 | .217 | .213 | .205 | .197 | .190 | .183 | .177 | .154 |
| 4 | .235 | .232 | .222 | .211 | .201 | .191 | .183 | .169 |
| 5 | .359 | .357 | .343 | .330 | .317 | .304 | .292 | .270 |
| 6 | .502 | .499 | .483 | .466 | .450 | .433 | .417 | .387 |
| 7 | .529 | .525 | .507 | .488 | .470 | .451 | .433 | .399 |
| 8 | .550 | .546 | .525 | .504 | .483 | .463 | .442 | .399 |
| 9 | .582 | .588 | .565 | .541 | .518 | .494 | .471 | .399 |
| 10 | .669 | .664 | .640 | .615 | .589 | .563 | .536 | .444 |
| 11 | .732 | .727 | .702 | .675 | .648 | .619 | .590 | .484 |
| 12 | .770 | .765 | .738 | .710 | .680 | .648 | .615 | .493 |
| 13 | .807 | .802 | .774 | .744 | .711 | .676 | .638 | .494 |
| 14 | .834 | .829 | .799 | .765 | .727 | .686 | .642 | .468 |
| 15 | .861 | .856 | .827 | .793 | .754 | .710 | .660 | .466 |
| 16 | .909 | .904 | .874 | .837 | .793 | .739 | .678 | .463 |
| 17 | .919 | .913 | .877 | .828 | .766 | .690 | .601 | .246 |
| 18 | .980 | .978 | .963 | .939 | .900 | .841 | .755 | .253 |
| 19 | .990 | .999 | .997 | .994 | .986 | .969 | .931 | .261 |
| 20 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | .999 | .272 |
| 21 | .552 | .504 | .473 | .443 | .413 | .384 | .373 | .364 |
| 22 | .641 | .543 | .508 | .474 | .440 | .406 | .373 | .355 |
| 23 | .726 | .641 | .598 | .554 | .508 | .463 | .419 | .336 |
| 24 | .751 | .644 | .592 | .537 | .481 | .426 | .373 | .217 |
| 25 | .770 | .875 | .850 | .820 | .786 | .748 | .705 | .538 |
| 26 | .828 | .777 | .746 | .712 | .675 | .636 | .595 | .485 |
| 27 | .963 | .726 | .677 | .624 | .568 | .509 | .451 | .283 |
| 28 | .684 | .679 | .854 | .823 | .789 | .749 | .705 | .440 |
| 29 | .768 | .927 | .910 | .891 | .868 | .841 | .809 | .597 |
| 30 | .721 | .743 | .728 | .717 | .696 | .679 | .662 | .586 |
| 31 | .161 | .117 | .121 | .124 | .128 | .131 | .135 | .155 |
| 32 | .161 | .190 | .196 | .202 | .208 | .214 | .220 | .255 |
| 33 | .161 | .189 | .195 | .201 | .207 | .214 | .220 | .257 |
| 34 | .161 | .161 | .169 | .177 | .186 | .195 | .204 | .257 |
| 35 | .161 | .161 | .169 | .177 | .186 | .195 | .204 | .255 |

Table I-26
Army Enlisted Continuation Rates

FILE: ACOMATE PAGEA A1

VM/SP CONVERSATIONAL MONITOR SYSTEM

ACOI OUTPUT DATE OF RUN: 11/21/83 16:56:10 BASE YEAR: SEVEN YEAR AVG.
SERVICE: ARMY ENLISTED MEN 10 ** AGGREGATE **
CURRENT
IR VESTED: 20 20 20 20 20 20 20 20
ANNUITY AGE: 38 38 38 38 38 38 38 38
MULTIPLIER: .025 .025 .025 .025 .025 .025 .025 .025
DECREMENTED? Y Y Y Y Y Y Y Y
PAY CHANGES? N N N N N N N N
BETA WT.: .000162 .000162 .000162 .000162 .000162 .000162 .000162 .000162
ENLOSS: .000 .000 .000 .000 .000 .000 .000 .000
COIA ADJ? N N N N N N N N
AVG. CFI: .000 .000 .000 .000 .000 .000 .000 .000
--- CONTINUATION RATES ---
CASE NO. : BASE 1 2 3 4 5 6 7
YEAR OF SERVICE
1 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000
2 .833 .834 .833 .833 .833 .833 .833 .833
3 .835 .835 .835 .834 .834 .833 .833 .832
4 .519 .517 .510 .504 .498 .491 .486 .471
5 .714 .713 .708 .703 .699 .694 .689 .681
6 .881 .881 .879 .876 .874 .872 .870 .863
7 .837 .836 .831 .826 .822 .817 .812 .797
8 .839 .838 .832 .826 .820 .814 .808 .790
9 .859 .848 .842 .835 .827 .820 .813 .792
10 .886 .885 .878 .872 .865 .858 .851 .827
11 .914 .913 .907 .901 .895 .888 .882 .858
12 .926 .925 .919 .913 .906 .899 .892 .866
13 .933 .932 .925 .918 .910 .902 .893 .858
14 .947 .946 .940 .933 .926 .918 .909 .874
15 .960 .959 .954 .947 .940 .932 .922 .882
16 .968 .967 .962 .956 .948 .939 .928 .881
17 .976 .976 .971 .965 .958 .948 .938 .894
18 .985 .985 .983 .980 .975 .968 .958 .896
19 .991 .991 .991 .990 .989 .987 .981 .889
20 .989 .989 .989 .989 .989 .989 .989 .877
21 .552 .504 .473 .443 .413 .384 .373 .364
22 .641 .543 .508 .474 .440 .406 .373 .355
23 .726 .641 .598 .554 .508 .463 .419 .336
24 .751 .644 .592 .537 .481 .426 .373 .217
25 .770 .875 .850 .820 .786 .748 .705 .538
26 .828 .777 .746 .712 .675 .636 .595 .485
27 .749 .726 .677 .624 .568 .509 .451 .263
28 .694 .879 .854 .823 .789 .749 .705 .440
29 .768 .827 .810 .801 .868 .841 .809 .597
30 .721 .743 .728 .712 .696 .679 .662 .586
31 .161 .117 .121 .124 .128 .131 .135 .155
32 .161 .190 .196 .202 .208 .214 .220 .255
33 .161 .169 .195 .201 .207 .214 .220 .257
34 .161 .161 .169 .177 .186 .195 .204 .257
35 .161 .161 .169 .177 .186 .195 .204 .255

Table I-27
Army Enlisted Survival Rates

FILL: ACOLMATE PAGE7A A1

VM/SP CONVERSATIONAL MONITOR SYSTEM

| ACOL OUTPUT | | DATE OF RUN: 11/21/83 | | 16 56:10 PAGE YEAR: SEVEN YEAR AVG. | | 10 * * AGGREGATE * * | | | |
|------------------------|---------|-----------------------|---------|-------------------------------------|---------|----------------------|---------|---------|---------|
| SERVICE: ARMY | | INLISTED MEN | | | | | | | |
| CURRENT | | | | | | | | | |
| YR VFSTD: | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| ANNUITY AGE: | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 |
| MULTIPLIER: | .025 | .025 | .025 | .025 | .025 | .025 | .025 | .025 | .025 |
| DFCREMENTED? | Y | Y | Y | Y | Y | Y | Y | Y | Y |
| PAY CHANGES? | N | N | N | N | N | N | N | N | N |
| DETA VT.: | .000162 | .000162 | .000162 | .000162 | .000162 | .000162 | .000162 | .000162 | .000162 |
| ENLOSS: | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| COLA ADJ? | N | N | N | N | N | N | N | N | N |
| AVG. CFI: | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| --- SURVIVAL RATES --- | | | | | | | | | |
| CASE NO. | 1 | 2 | 3 | 4 | 5 | 6 | 7 | | |
| YEAR OF SERVICE | | | | | | | | | |
| 1 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | |
| 2 | .833 | .833 | .833 | .833 | .833 | .833 | .833 | .833 | |
| 3 | .696 | .696 | .696 | .695 | .695 | .695 | .694 | .693 | |
| 4 | .561 | .560 | .555 | .550 | .546 | .541 | .537 | .532 | |
| 5 | .428 | .427 | .422 | .416 | .412 | .407 | .403 | .400 | |
| 6 | .297 | .296 | .291 | .285 | .281 | .276 | .272 | .269 | |
| 7 | .169 | .168 | .163 | .157 | .153 | .148 | .144 | .141 | |
| 8 | .100 | .099 | .094 | .088 | .084 | .080 | .076 | .073 | |
| 9 | .061 | .060 | .055 | .050 | .046 | .042 | .038 | .035 | |
| 10 | .043 | .042 | .037 | .032 | .028 | .024 | .020 | .017 | |
| 11 | .028 | .027 | .022 | .017 | .013 | .010 | .006 | .003 | |
| 12 | .016 | .015 | .010 | .007 | .004 | .003 | .001 | .000 | |
| 13 | .009 | .008 | .005 | .003 | .002 | .001 | .000 | .000 | |
| 14 | .005 | .004 | .003 | .001 | .001 | .000 | .000 | .000 | |
| 15 | .003 | .002 | .001 | .001 | .000 | .000 | .000 | .000 | |
| 16 | .002 | .001 | .001 | .000 | .000 | .000 | .000 | .000 | |
| 17 | .001 | .001 | .000 | .000 | .000 | .000 | .000 | .000 | |
| 18 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | |
| 19 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | |
| 20 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | |
| 21 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | |
| 22 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | |
| 23 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | |
| 24 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | |
| 25 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | |
| 26 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | |
| 27 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | |
| 28 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | |
| 29 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | |
| 30 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | |
| 31 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | |
| 32 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | |
| 33 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | |
| 34 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | |
| 35 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | |

Table I-28
Army Enlisted Present Value Gap

FILL: AX10

PVGAPA A1

VM/SP CONVERSATIONAL MONITOR SYSTEM

ACOL OUTPUT
SERVICE: ARMY
CURRENT
YR VESTED: 20 20 20 20 20 20 20 20
ANNUITY AGE: 30 30 30 30 30 30 30 30
MULTIPLIER: .025 .025 .025 .025 .025 .025 .025 .025
DECREMENTED? Y Y Y Y Y Y Y Y
PAY CHANGES? N N N N N N N N
ETA WT.: .000162 .000162 .000162 .000162 .000162 .000162 .000162 .000162
EMLOSS: .000 .000 .000 .000 .000 .000 .000 .000
COLA ADJT N N N N N N N N
AVG. CPI: .000 .000 .000 .000 .000 .000 .000 .000
--- 1: PRESENT VALUE GAP 2: YR PV MAX ---
CASE NO. 1 BASE 1 2 3 4 5 6 7
YEAR OF SERVICE
2 29249 -4982 -7553 -6891 -9659 -12427 -15194 -27597
3 32676 -5575 -8452 -11330 -10828 -13905 -17003 -30882
4 36614 -8149 -9323 -12497 -15676 -18844 -18754 -35282
5 33545 -676 -4151 -7027 -11102 -14577 -14479 -32577
6 35599 -737 -4525 -8313 -12101 -15889 -19878 -34053
7 38328 -801 -4916 -9038 -13154 -17272 -21300 -37839
8 40970 -868 -5327 -9788 -14246 -18705 -23165 -42088
9 43768 -937 -5753 -10569 -15386 -20222 -25018 -43295
10 46715 -1011 -6208 -11404 -16601 -21798 -26994 -44672
11 50370 -1061 -6698 -12305 -17913 -23526 -29127 -47554
12 53997 -1174 -7207 -13241 -19274 -25387 -31341 -51168
13 58747 -1263 -7755 -14247 -20739 -27231 -33723 -55057
14 63619 -1356 -8337 -15315 -22294 -29273 -36252 -59186
15 69162 -1460 -8962 -16464 -23966 -31468 -38971 -63625
16 74943 -1566 -9616 -17666 -25716 -33766 -41815 -68270
17 81789 -1682 -10328 -18973 -27619 -36264 -44910 -73321
18 89171 -1825 -11081 -20358 -29635 -38912 -48188 -78674
19 97591 -1937 -11899 -21844 -31798 -41752 -51706 -84417
20 106687 -2078 -12758 -23439 -34119 -44800 -55426 -90568
21 8746 -1183 -1938 -2694 -3449 -4205 8881 12881

Table I-28 (Con't)
Army Enlisted Present Value Gap

| FILE: AT10 | PVGAPA | A1 | VM/SP CONVERSATIONAL MONITOR SYSTEM | | | | | |
|------------|--------|--------|-------------------------------------|--------|--------|--------|--------|-------|
| 22 | 9727 | -2514 | -3364 | -4215 | -5065 | -5915 | 9156 | 13426 |
| 22 | 1 | 1 | 1 | 1 | 1 | 1 | 8 | 14 |
| 23 | 13166 | -2447 | -3566 | -4685 | -5805 | -6924 | -8044 | 13837 |
| 23 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 13 |
| 24 | 18860 | -3136 | -4513 | -5889 | -7266 | -8643 | -10019 | 10598 |
| 24 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 12 |
| 25 | 10199 | 4555 | 3224 | 1894 | 563 | -768 | -2098 | 19131 |
| 25 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 11 |
| 26 | 27211 | -15134 | -16260 | -17287 | -18334 | -19481 | -20468 | 2678 |
| 26 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 18 |
| 27 | 32911 | -14092 | -15137 | -16281 | -18426 | -19870 | -21313 | -2437 |
| 27 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 9 |
| 28 | 10628 | 7583 | 6123 | 4742 | 3361 | 1980 | 569 | 17326 |
| 28 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 8 |
| 29 | 9355 | 8266 | 6918 | 5576 | 4223 | 2875 | 1527 | 16955 |
| 29 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 |
| 30 | 8145 | 702 | 220 | -261 | -743 | -1225 | -1766 | 14524 |
| 30 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 6 |
| 31 | 4887 | -2254 | -2859 | -1865 | -1670 | -1476 | -1282 | 15138 |
| 31 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 5 |
| 32 | 976 | 1258 | 1477 | 1784 | 1930 | 2157 | 2384 | 15551 |
| 32 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 4 |
| 33 | 949 | 1212 | 1440 | 1681 | 1915 | 2149 | 2384 | 11927 |
| 33 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 3 |
| 34 | 989 | 0 | 358 | 716 | 1075 | 1433 | 1791 | 7969 |
| 34 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 |
| 35 | 1097 | 0 | 360 | 719 | 1079 | 1438 | 1798 | 3596 |
| 35 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

Table I-29
Army Enlisted High-3 Force Grade Strengths

| FILE: A101C | | M134 | | A1 | | WP/SP CONVERSATIONAL MONITOR SYSTEM | | DATE OF RUK: 11/21/83 | | 16:56:18 | | BASE YEAR: SEVEN | | YEAR AVG. | |
|-------------|--------|----------------------|--------|--------------|-------|-------------------------------------|------|-----------------------|--------|-----------------|----|------------------|----|-----------|----|
| ACOL OUTPUT | | SERVICE: ARMY | | ENLISTED MEN | | 10 ** AGGREGATE ** | | 10 | | 10 | | 10 | | 10 | |
| ESARIO ACOL | | VST1=28:ARU=38:PMIT= | | .025:EI | | AVG=3:RUC=15:EPAY=3:RUAL | | TRK=4:3:11A= | | .022162:EMIGSS= | | .00:INC | | COLA=M | |
| LOS | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| 1 | 136652 | | | | | | | | | | | | | | |
| 2 | 66821 | 47879 | | | | | | | | | | | | | |
| 3 | 20875 | 69606 | 4644 | | | | | | | | | | | | |
| 4 | 5483 | 27315 | 16380 | | | | | | | | | | | | |
| 5 | | 12566 | 22529 | | | | | | | | | | | | |
| 6 | 3854 | 24320 | 737 | | | | | | | | | | | | |
| 7 | 3691 | 15998 | 2170 | | | | | | | | | | | | |
| 8 | 2346 | 12419 | 6843 | 53 | | | | | | | | | | | |
| 9 | 1616 | 6204 | 18487 | 71 | | | | | | | | | | | |
| 10 | 1276 | 3529 | 11146 | 210 | | | | | | | | | | | |
| 11 | | 2618 | 11766 | 456 | | | | | | | | | | | |
| 12 | | 2806 | 9653 | 2019 | 36 | | | | | | | | | | |
| 13 | | | 1624 | 7651 | 3455 | 53 | | | | | | | | | |
| 14 | | | 1361 | 4981 | 5724 | 82 | | | | | | | | | |
| 15 | | | | 1161 | 3786 | 6576 | 135 | | | | | | | | |
| 16 | | | | 1869 | 2856 | 6957 | 317 | | | | | | | | |
| 17 | | | | 1837 | 2378 | 6861 | 666 | | | | | | | | |
| 18 | | | | 1882 | 2170 | 6350 | 1196 | | | | | | | | |
| 19 | | | | 991 | 2896 | 5295 | 2268 | | | | | | | | |
| 20 | | | | 964 | 2833 | 4449 | 3673 | | | | | | | | |
| 21 | | | | 479 | 575 | 1477 | 2317 | | | | | | | | |
| 22 | | | | | 544 | 479 | 1734 | | | | | | | | |
| 23 | | | | | 335 | 246 | 1856 | | | | | | | | |
| 24 | | | | | | 161 | 1856 | | | | | | | | |
| 25 | | | | | | 121 | 1195 | | | | | | | | |
| 26 | | | | | | 26 | 1644 | | | | | | | | |
| 27 | | | | | | | 483 | | | | | | | | |
| 28 | | | | | | | 146 | | | | | | | | |
| 29 | | | | | | | 95 | | | | | | | | |
| 30 | | | | | | | 76 | | | | | | | | |
| 31 | | | | | | | 56 | | | | | | | | |
| 32 | | | | | | | 42 | | | | | | | | |
| 33 | | | | | | | 8 | | | | | | | | |
| 34 | | | | | | | 2 | | | | | | | | |
| 35 | | | | | | | 1 | | | | | | | | |
| TOTAL | 229031 | 171349 | 124402 | 82529 | 51051 | 14574 | 3586 | 677362 | 136652 | | | | | | |
| PERCENT | 34 | 25 | 18 | 12 | 8 | 2 | 1 | 100 | | | | | | | |
| CHILLING | 34 | 27 | 18 | 12 | 7 | 2 | 1 | | | | | | | | |
| CONT | | | | | | | | | | | | | | | |
| 1 | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | |
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| 12 | | | | | | | | | | | | | | | |
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| 34 | | | | | | | | | | | | | | | |
| 35 | | | | | | | | | | | | | | | |

Table I-31
Army Enlisted Cost Summary

FILE: COSTICAT COSTM A1 VM/SP CONVENTIONAL MONITOR SYSTEM

ACOL OUTPUT DATE OF RUN: 11/21/83 16156:18 PAGE YEAR: SEVEN YEAR AVG.
SERVICE: ARMY ENLISTED MEN 10 * * AGGREGATE * *
CURRENT
YE VESTED: 28 28 28 28 28 28 28 28
ANNUITY AGR: 38 38 38 38 38 38 38 38
MULTIPLIER: .025 .025 .025 .025 .025 .025 .025 .025
DECREMENTED? Y Y Y Y Y Y Y Y
PAY CHANGES? N N N N N N N N
DATA WT.: .000162 .000162 .000162 .000162 .000162 .000162 .000162 .000162
ENLOSS: .000 .000 .000 .000 .000 .000 .000 .000
COLA ADJ? N N N N N N N N
AVG. CPI: .000 .000 .000 .000 .000 .000 .000 .000
--- SUMMARY TABLE : MILITARY PAY (MIL'S) FOR YEAR 81 ---
CASE NO. : BASE 1 2 3 4 5 6 7
YEAR OF SERVICE
1 - 4 YEARS 4938.37 4988.11 5115.36 5239.17 5359.59 5476.61 5586.18 5697.83
5 - 10 YEARS 2412.41 2426.68 2415.11 2401.86 2384.83 2366.82 2348.47 2330.62
11 - 20 YEARS 2488.35 2482.82 2352.18 2215.87 2075.78 1933.73 1792.73 1341.38
21 - 30 YEARS 518.01 391.47 388.22 228.53 175.28 138.89 103.57 46.99
MORE THAN 30 Y 2.38 1.87 .90 .54 .28 .13 .06 .00
-- TOTAL -- 10358.3210298.6710183.7910285.18 9993.68 9988.17 9838.92 9683.75

--- MILITARY PAY (MIL'S) FOR YEAR 81, BY SOURCE ---
CASE NO. : BASE 1 2 3 4 5 6 7
YEAR OF SERVICE
BASE PAY 7801.28 6942.82 6852.85 6778.42 6694.16 6623.14 6559.28 6371.21
BAS 1112.79 1112.79 1112.79 1112.79 1112.79 1112.79 1112.79 1112.79
VNA 152.68 152.64 147.26 144.22 141.38 138.71 136.39 129.16
BAQ 1719.28 1716.22 1693.27 1677.23 1661.99 1647.49 1634.15 1594.79
S+I 372.37 374.31 377.52 388.53 383.37 386.85 388.49 395.61
XMAS BONUS .00 .00 .00 .00 .00 .00 .00 .00
--TOTAL-- 10358.3210298.6710183.7910285.18 9993.68 9988.17 9838.92 9683.75

--- SUMMARY TABLE : RETIREMENT (MIL'S) FOR YEAR 81 ---
CASE NO. : BASE 1 2 3 4 5 6 7
YEAR OF SERVICE
1 - 4 YEARS 41.43 41.18 38.45 35.42 32.06 28.39 24.36 .00
5 - 10 YEARS 39.37 39.69 36.43 33.45 30.17 24.66 22.78 .00
11 - 20 YEARS 1488.58 1592.44 1428.19 1258.62 1065.12 877.48 678.61 .00
21 - 30 YEARS 2897.31 1773.51 1379.83 1046.82 772.67 558.71 394.69 .00
MORE THAN 30 Y 28.43 19.79 18.47 5.89 2.25 .98 .33 .00
-- TOTAL -- 3687.84 3455.69 2892.57 2378.68 1982.27 1484.87 1118.76 .00

TAX ADV(MIL'S): 747.43 742.33 735.81 728.36 722.28 716.67 711.67 697.1

-> -> -> -> TOTAL COST (MIL'S) FOR YEAR 81
MILITARY 10358.3210298.6710183.7910285.18 9993.68 9988.17 9838.92 9683.75
RETIREMENT 3687.84 3455.69 2892.57 2378.68 1982.27 1484.87 1118.76 .00
DEATH BEN. 1.91 1.88 1.82 1.88 1.75 1.73 1.69 1.61
-- TOTAL - 14047.2713758.5413078.1712457.5811897.7111593.9710951.37 9685.36

Table I-32
Navy Enlisted Military Versus Civilian Income Streams

| * * * * * INCOME STREAMS: MILITARY PAY * * * * * | | | | | | | | | | |
|--|--------------|-------|-------|--------|-------|-------|--------|--------|---------|---------|
| SCENARIO NO. 0 | 0 : BASECASE | | | | | | | | | |
| AGE (LOS) | BASE | BAS | VHA | BAQ | SIPAY | TAXES | IBONDS | MILPAY | ANNUITY | CIVV |
| 18 1 | 2711 | 1643 | 292 | 1788 | 66 | 871 | 0 | 12371 | 0 | 12476 |
| 19 2 | 7826 | 1643 | 297 | 1895 | 128 | 983 | 0 | 12692 | 0 | 13197 |
| 20 3 | 8490 | 1643 | 317 | 2054 | 464 | 958 | 0 | 13926 | 0 | 13934 |
| 21 4 | 9244 | 1643 | 354 | 2240 | 937 | 1017 | 0 | 15434 | 0 | 14685 |
| 22 5 | 10179 | 1643 | 417 | 2504 | 1919 | 1082 | 0 | 17744 | 0 | 15449 |
| 23 6 | 10353 | 1643 | 468 | 2659 | 1655 | 1115 | 0 | 17885 | 0 | 16223 |
| 24 7 | 11223 | 1643 | 522 | 2837 | 1917 | 1161 | 0 | 19303 | 0 | 17005 |
| 25 8 | 11399 | 1643 | 559 | 2952 | 2184 | 1189 | 0 | 19905 | 0 | 17792 |
| 26 9 | 12043 | 1643 | 596 | 3039 | 2678 | 1220 | 0 | 21221 | 0 | 18581 |
| 27 10 | 12229 | 1643 | 628 | 3092 | 2172 | 1248 | 0 | 21011 | 0 | 19370 |
| 28 11 | 12913 | 1643 | 662 | 3182 | 2817 | 1282 | 0 | 22499 | 0 | 20156 |
| 29 12 | 13057 | 1643 | 688 | 3213 | 2341 | 1304 | 0 | 22245 | 0 | 20935 |
| 30 13 | 13786 | 1643 | 718 | 3269 | 2341 | 1320 | 0 | 23088 | 0 | 21725 |
| 31 14 | 13966 | 1643 | 747 | 3328 | 1971 | 1356 | 0 | 23211 | 0 | 22462 |
| 32 15 | 14527 | 1643 | 774 | 3390 | 1766 | 1382 | 0 | 23589 | 0 | 23203 |
| 33 16 | 14820 | 1643 | 799 | 3436 | 1858 | 1408 | 0 | 23964 | 0 | 23925 |
| 34 17 | 15480 | 1643 | 823 | 3463 | 1807 | 1441 | 0 | 24656 | 0 | 24625 |
| 35 18 | 15706 | 1643 | 844 | 3517 | 1845 | 1475 | 0 | 25030 | 0 | 25299 |
| 36 19 | 16290 | 1643 | 866 | 3542 | 1887 | 1514 | 0 | 25741 | 0 | 25944 |
| 37 20 | 16587 | 1643 | 889 | 3580 | 1791 | 1562 | 0 | 26353 | 8293 | 26556 |
| 38 21 | 17356 | 1643 | 929 | 3662 | 1491 | 1654 | 0 | 26736 | 9112 | 27134 |
| 39 22 | 17693 | 1643 | 951 | 3728 | 1673 | 1702 | 0 | 27395 | 9731 | 27674 |
| 40 23 | 18893 | 1643 | 969 | 3774 | 1783 | 1753 | 0 | 28736 | 10864 | 28173 |
| 41 24 | 19357 | 1643 | 994 | 3815 | 1651 | 1821 | 0 | 29286 | 11614 | 28629 |
| 42 25 | 19921 | 1643 | 1023 | 3899 | 1611 | 1906 | 0 | 30025 | 12451 | 29039 |
| 43 26 | 20524 | 1643 | 1052 | 3936 | 1553 | 2009 | 0 | 30717 | 13340 | 29401 |
| 44 27 | 23274 | 1643 | 1081 | 4046 | 1638 | 2114 | 0 | 33797 | 15710 | 29714 |
| 45 28 | 23917 | 1643 | 1109 | 4138 | 1430 | 2223 | 0 | 34459 | 16742 | 29975 |
| 46 29 | 24405 | 1643 | 1130 | 4219 | 1144 | 2309 | 0 | 34851 | 17654 | 30184 |
| 47 30 | 24618 | 1643 | 1148 | 4281 | 1230 | 2380 | 0 | 35500 | 18614 | 30338 |
| 48 31 | 25152 | 1643 | 1163 | 4269 | 1230 | 2445 | 0 | 35901 | 18864 | 30438 |
| 49 32 | 25023 | 1643 | 1157 | 4291 | 1230 | 2413 | 0 | 35757 | 18864 | 30482 |
| 50 33 | 25256 | 1643 | 1166 | 4305 | 1230 | 2458 | 0 | 36000 | 18942 | 30471 |
| 51 34 | 25560 | 1643 | 1181 | 4281 | 1230 | 2523 | 0 | 36417 | 19170 | 30405 |
| 52 35 | 25560 | 1643 | 1181 | 4424 | 1230 | 2523 | 0 | 36561 | 19170 | 30283 |
| 53 36 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 19170 | 30126 |
| 54 37 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 19170 | 29877 |
| 55 38 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 19170 | 29595 |
| 56 39 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 19170 | 29262 |
| 57 40 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 19170 | 28880 |
| 58 41 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 19170 | 28451 |
| 59 42 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 19170 | 27978 |
| 60 43 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 19170 | 27462 |
| 61 44 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 19170 | 26907 |
| 62 45 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 19170 | 26314 |
| 63 46 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 19170 | 25688 |
| 64 47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 19170 | 25032 |
| TOTALS: | 584638 | 57499 | 28422 | 120058 | 55798 | 57058 | 0 | 903543 | 469215 | 1171414 |

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Table I-33
Navy Enlisted Annualized Cost of Leaving (ACOL)

FILE: ACOLMATE PAGE1N A1 VM/SP CONVERSATIONAL MONITOR SYSTEM

ACOL OUTPUT DATE OF RUN: 11/21/83 17:03:32 BASE YEAR: SEVEN YEAR AVG.
SERVICE: NAVY INLISTED MEN 10 * * AGGREGATE * *
CURRENT
YR VESTED: 20 20 20 20 20 20 20 20
ANNUITY AGE: 38 38 36 38 36 38 38 38
MULTIPLIER: .025 .025 .025 .025 .025 .025 .025 .025
DECREMENTED: Y Y Y Y Y Y Y Y
PAY CHANGES: N N N N N N N N
BETA WT.: .000162 .000162 .000162 .000162 .000162 .000162 .000162 .000162
ENLOSS: .000 .000 .000 .000 .000 .000 .000 .000
COLA ADJ: N N N N N N N N
AVG. CPI: .000 .000 .000 .000 .000 .000 .000 .000
*** ACOL MATRIX ***
CASI NO. : BASE 1 2 3 4 5 6 7
YEAR OF SERVICE
2 3699 3636 3376 3116 2856 2596 2336 1328
3 4180 4110 3820 3530 3241 2951 2681 1613
4 4656 4570 4256 3934 3611 3288 2965 1908
5 5168 5020 4660 4300 3940 3580 3220 2294
6 5438 5341 4939 4536 4134 3732 3329 2151
7 5895 5786 5335 4884 4433 3982 3531 2342
8 6345 6222 5715 5207 4700 4192 3685 2367
9 6890 6759 6185 5611 5038 4464 3890 2640
10 7484 7326 6673 6020 5368 4715 4062 1979
11 8338 8156 7408 6660 5912 5164 4416 2344
12 9277 9067 8202 7337 6472 5606 4741 1363
13 10635 10390 9377 8364 7351 6339 5326 1583
14 12377 12085 10881 9678 8475 7271 6068 1366
15 14887 14534 13075 11616 10157 8698 7240 1443
16 18455 18014 16197 14379 12561 10744 8926 1544
17 23934 23362 21004 18645 16287 13928 11570 1692
18 33892 32301 29039 25777 22515 19253 15991 1860
19 51621 50360 45316 40243 35169 30095 25021 2880
20 107226 104676 94158 83640 73122 62604 52086 2324
21 9220 7635 6831 6028 5225 4421 3618 2637
22 8640 7408 6640 5871 5102 4334 3565 2988
23 13702 10526 9530 8533 7537 6541 5545 3379
24 8489 9805 8290 7975 7059 6144 5228 3735
25 9836 11059 10050 9040 8031 7022 6012 4148
26 14635 9685 8846 8011 7174 6337 5780 4603
27 30731 18825 17351 15877 14402 12928 11454 5108
28 14380 19741 18215 16690 15164 13638 12112 5280
29 13223 19846 18328 16810 15292 13774 12257 5428
30 12752 13550 12711 11872 11033 10195 9356 5588
31 4974 5705 5681 5657 5632 5608 5584 5692
32 730 3598 3765 3933 4101 4268 4436 5760
33 4043 3321 3548 3775 4002 4228 4455 5944
34 4946 3598 3830 4081 4322 4564 4805 6141
35 2662 4155 4367 4579 4792 5004 5216 6278

Table I-34
Navy Enlisted Pay Component of ACOL

FILE: ACOLMATE PAGE2N A1 VM/SP CONVERSATIONAL MONITOR SYSTEM

ACOL OUTPUT DATE OF RUN: 11/21/83 17:03:32 BASE YEAR: SEVEN YEAR AVG.
SERVICE: NAVY ENLISTED MEN 10 * * AGGREGATE * *
CURRENT
YR VESTED: 20 20 20 20 20 20 20 20
ANNUITY AGE: 38 38 38 38 38 38 38 38
MULTIPLIER: .025 .025 .025 .025 .025 .025 .025 .025
DECREMENTED? Y Y Y Y Y Y Y N
PAY CHANGES? N N N N N N N N
BETA WT.: .000162 .000162 .000162 .000162 .000162 .000162 .000162 .000162
ENLOSS: .000 .000 .000 .000 .000 .000 .000 .000
COLA ADJ? N N N N N N N N
AVG. CPI: .000 .000 .000 .000 .000 .000 .000 .000
--- ACOL PAY COMPONENT ---
CASE NO. 1 2 3 4 5 6 7
YEAR OF SERVICE
2 1036 1036 1036 1036 1036 1036 1328
3 1212 1212 1212 1212 1212 1212 1613
4 1351 1351 1351 1351 1351 1351 1908
5 1420 1420 1420 1420 1420 1420 2294
6 1318 1318 1318 1318 1318 1318 2151
7 1276 1276 1276 1276 1276 1276 2342
8 1148 1148 1148 1148 1148 1148 2367
9 1022 1022 1022 1022 1022 1022 2640
10 799 799 799 799 799 799 1979
11 676 676 676 676 676 676 2344
12 415 415 415 415 415 415 1363
13 262 262 262 262 262 262 1383
14 51 51 51 51 51 51 1366
15 -54 -54 -54 -54 -54 -54 1443
16 -162 -162 -162 -162 -162 -162 1544
17 -222 -222 -222 -222 -222 -222 1692
18 -319 -319 -319 -319 -319 -319 1806
19 -347 -347 -347 -347 -347 -347 2080
20 -504 -504 -504 -504 -504 -504 2324
21 -398 -398 -398 -398 -398 -398 2637
22 -278 -278 -278 -278 -278 -278 2986
23 563 563 563 563 563 563 3379
24 652 652 652 652 652 652 3735
25 966 966 966 966 966 966 4148
26 2652 1315 1315 1315 1315 1315 3222 4603
27 4083 4083 4083 4083 4083 4083 5108
28 4484 4484 4484 4484 4484 4484 5280
29 4667 4667 4667 4667 4667 4667 5428
30 5162 5162 5162 5162 5162 5162 5588
31 5463 5463 5463 5463 5463 5463 5692
32 5275 5275 5275 5275 5275 5275 5760
33 5589 5589 5589 5589 5589 5589 5944
34 6013 6013 6013 6013 6013 6013 6141
35 6278 6278 6278 6278 6278 6278 6278

Table I-35
Navy Enlisted Retirement Component of ACOL

FILE: ACOLMATE PAGE3N A1

VM/SP CONVERSATIONAL MONITOR SYSTEM

ACOL OUTPUT DATE OF RUN: 11/21/83 17:03:32 BASE YEAR: SEVEN YEAR AVG.
SERVICE: NAVY ENLISTED MEN 10 * * AGGREGATE * *
CURRENT
YR VESTED: 20 20 20 20 20 20 20 20
ANNUITY AGE: 38 38 38 38 38 38 38 38
MULTIPLIER: .025 .025 .025 .025 .025 .025 .025 .025
DECREMENTED? Y Y Y Y Y Y Y N
PAY CHANGES? N N N N N N N N
BETA WT.: .000162 .000162 .000162 .000162 .000162 .000162 .000162 .000162
ENLOSS: .000 .000 .000 .000 .000 .000 .000 .000
COLA ADJ? N N N N N N N N
AVG. CPI: .000 .000 .000 .000 .000 .000 .000 .000
*** ACOL RETIREMENT COMPONENT ***
CASE NO: 1 2 3 4 5 6 7
YEAR OF SERVICE
2 2664 2600 2340 2080 1820 1560 1300 0
3 2968 2898 2608 2318 2029 1739 1449 0
4 3307 3228 2905 2583 2260 1937 1614 0
5 3687 3600 3240 2880 2520 2160 1800 0
6 4121 4023 3621 3219 2816 2414 2012 0
7 4619 4510 4059 3608 3157 2706 2255 0
8 5197 5074 4567 4059 3552 3044 2537 0
9 5876 5737 5163 4590 4018 3442 2868 0
10 6685 6526 5874 5221 4568 3916 3263 0
11 7662 7480 6732 5984 5236 4488 3740 0
12 8862 8652 7787 6922 6057 5191 4326 0
13 10373 10127 9115 8102 7089 6076 5064 0
14 12325 12033 10830 9627 8423 7220 6017 0
15 14941 14588 13129 11678 10211 8753 7294 0
16 18617 18177 16359 14541 12724 10906 9088 0
17 24156 23584 21226 18867 16509 14151 11792 0
18 33412 32620 29358 26098 22834 19572 16310 0
19 51968 50738 45684 40590 35516 30443 25369 0
20 107730 105179 94661 84143 73625 63108 52590 0
21 9618 8033 7230 6427 5623 4820 4017 0
22 6928 7687 6918 6149 5381 4612 3843 0
23 13229 9862 8966 7978 6974 5977 4981 0
24 7838 9154 8238 7323 6407 5492 4577 0
25 8870 10093 9084 8074 7065 6056 5047 0
26 11983 8369 7532 6695 5858 5022 4185 0
27 26648 14742 13268 11794 10328 8845 7371 0
28 9896 15257 13731 12205 10686 9154 7628 0
29 8556 15179 13661 12143 10625 9107 7589 0
30 7589 8387 7549 6710 5871 5032 4194 0
31 -489 241 217 193 169 145 121 0
32 -4545 -1677 -1510 -1342 -1174 -1006 -839 0
33 -1546 -2268 -2041 -1814 -1587 -1361 -1134 0
34 -1867 -2415 -2173 -1932 -1690 -1449 -1207 0
35 -3596 -2123 -1911 -1699 -1486 -1274 -1062 0

Table I-36
Navy Enlisted Force Structures

FILE: ACOLMATE PAGE4N A1 VM/SP CONVERSATIONAL MONITOR SYSTEM

ACOL OUTPUT DATE OF RUN: 11/21/83 17:03:32 BASE YEAR: SEVEN YEAR AVG.
SERVICE: NAVY ENLISTED MEN 10 * * AGGREGATE * *
CURRENT

| | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
|--------------|---------|---------|---------|---------|---------|---------|---------|---------|
| YR VESTED: | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| ANNUITY AGE: | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 |
| MULTIPLIER: | .025 | .025 | .025 | .025 | .025 | .025 | .025 | .025 |
| DECREMENTAD? | Y | Y | Y | Y | Y | Y | Y | Y |
| PAY CHANGES? | N | N | N | N | N | N | N | N |
| BETA WT.: | .000162 | .000162 | .000162 | .000162 | .000162 | .000162 | .000162 | .000162 |
| ENLOSS: | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| COLA ADJ? | N | N | N | N | N | N | N | N |
| AVG. CPI: | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |

--- FORCE TABLE ---

| CASE NO. | BASE | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|----------|-------|-------|-------|-------|-------|-------|-------|--------|
| 1 | 88477 | 89168 | 91233 | 93244 | 95201 | 97107 | 98958 | 104333 |
| 2 | 77107 | 77712 | 79511 | 81262 | 82967 | 84627 | 86240 | 90920 |
| 3 | 66444 | 66976 | 68503 | 69968 | 71432 | 72837 | 74222 | 78145 |
| 4 | 52472 | 52987 | 54308 | 55559 | 56884 | 58078 | 58839 | 60775 |
| 5 | 26118 | 26244 | 26393 | 26521 | 26639 | 26722 | 26798 | 27113 |
| 6 | 21748 | 21833 | 21895 | 21929 | 21969 | 21997 | 21992 | 21935 |
| 7 | 16485 | 16532 | 16452 | 16363 | 16265 | 16161 | 16051 | 15839 |
| 8 | 14753 | 14786 | 14668 | 14525 | 14385 | 14240 | 14082 | 13777 |
| 9 | 12489 | 12496 | 12289 | 12077 | 11861 | 11644 | 11427 | 10972 |
| 10 | 11031 | 11022 | 10780 | 10495 | 10228 | 9982 | 9699 | 9088 |
| 11 | 9848 | 9820 | 9583 | 9124 | 8866 | 8552 | 8248 | 7498 |
| 12 | 9259 | 9223 | 8882 | 8530 | 8196 | 7858 | 7526 | 6664 |
| 13 | 8747 | 8783 | 8332 | 7958 | 7585 | 7215 | 6852 | 5847 |
| 14 | 8487 | 8357 | 7966 | 7572 | 7176 | 6783 | 6397 | 5277 |
| 15 | 8114 | 8058 | 7649 | 7233 | 6813 | 6394 | 5960 | 4727 |
| 16 | 7880 | 7819 | 7392 | 6953 | 6506 | 6056 | 5600 | 4196 |
| 17 | 7671 | 7685 | 7152 | 6680 | 6192 | 5693 | 5191 | 3568 |
| 18 | 7546 | 7478 | 7023 | 6543 | 6040 | 5517 | 4981 | 3154 |
| 19 | 7299 | 7214 | 6792 | 6326 | 5836 | 5323 | 4791 | 2702 |
| 20 | 6846 | 5991 | 5624 | 5240 | 4834 | 4400 | 3960 | 1970 |
| 21 | 3330 | 2917 | 2557 | 2213 | 1890 | 1569 | 1314 | 585 |
| 22 | 2223 | 2025 | 1786 | 1414 | 1153 | 922 | 722 | 308 |
| 23 | 1540 | 1155 | 905 | 693 | 519 | 378 | 268 | 91 |
| 24 | 1141 | 901 | 682 | 503 | 360 | 250 | 169 | 52 |
| 25 | 893 | 734 | 538 | 382 | 262 | 174 | 111 | 36 |
| 26 | 735 | 495 | 347 | 234 | 152 | 95 | 58 | 15 |
| 27 | 558 | 378 | 249 | 156 | 93 | 53 | 29 | 4 |
| 28 | 448 | 343 | 228 | 133 | 77 | 41 | 21 | 2 |
| 29 | 390 | 326 | 208 | 123 | 69 | 36 | 18 | 1 |
| 30 | 288 | 249 | 152 | 87 | 47 | 24 | 11 | 1 |
| 31 | 189 | 182 | 62 | 36 | 19 | 10 | 5 | 0 |
| 32 | 42 | 50 | 31 | 18 | 10 | 5 | 2 | 0 |
| 33 | 16 | 18 | 11 | 7 | 4 | 2 | 1 | 0 |
| 34 | 6 | 6 | 4 | 2 | 1 | 1 | 0 | 0 |
| 35 | 2 | 3 | 2 | 1 | 1 | 0 | 0 | 0 |

TTL INDSTRENGTH 479663 479663 479663 479663 479663 479663 479663 479663 479663
EXP. SERV. LIFE 5 5 5 5 5 5 5 5 5

Table I-37
Navy Enlisted Reenlistment Rates

FILE: ACOLMATE PAGE5N A1

VM/SP CONVERSATIONAL MONITOR SYSTEM

ACOL OUTPUT DATE OF RUN: 11/21/83 17:03:32 PASE YEAR: SEVEN YEAR AVG.
SERVICE: NAVY ENLISTED MEN 10 * * AGGREGATE * *

CURRENT

| | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
|--------------|---------|---------|---------|---------|---------|---------|---------|---------|
| YR VESTED: | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| ANNUITY AGE: | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 |
| MULTIPLIER: | .025 | .025 | .025 | .025 | .025 | .025 | .025 | .025 |
| DECREMENTED? | Y | Y | Y | Y | Y | Y | Y | Y |
| PAY CHANGES? | N | N | N | N | N | N | N | N |
| BETA WT.: | .000162 | .000162 | .000162 | .000162 | .000162 | .000162 | .000162 | .000162 |
| ENLOSS: | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| COLA ADJ? | N | N | N | N | N | N | N | N |
| AVG. CPI: | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |

*** REENLISTMENT RATES ***

| CASE NO. | BASE | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|----------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 2 | .449 | .447 | .437 | .426 | .416 | .406 | .396 | .357 |
| 3 | .240 | .238 | .230 | .221 | .213 | .206 | .198 | .173 |
| 4 | .240 | .237 | .228 | .219 | .210 | .202 | .193 | .168 |
| 5 | .267 | .264 | .253 | .242 | .232 | .222 | .212 | .188 |
| 6 | .371 | .367 | .352 | .336 | .323 | .309 | .295 | .257 |
| 7 | .333 | .329 | .313 | .297 | .282 | .268 | .254 | .219 |
| 8 | .519 | .514 | .494 | .473 | .453 | .432 | .412 | .362 |
| 9 | .556 | .550 | .527 | .504 | .481 | .458 | .435 | .386 |
| 10 | .620 | .614 | .589 | .563 | .537 | .511 | .484 | .401 |
| 11 | .700 | .694 | .668 | .640 | .612 | .583 | .553 | .470 |
| 12 | .771 | .765 | .739 | .711 | .681 | .650 | .617 | .483 |
| 13 | .826 | .820 | .795 | .767 | .736 | .703 | .668 | .515 |
| 14 | .880 | .875 | .852 | .826 | .796 | .763 | .726 | .553 |
| 15 | .911 | .906 | .884 | .857 | .825 | .789 | .747 | .535 |
| 16 | .934 | .930 | .908 | .880 | .845 | .803 | .752 | .479 |
| 17 | .946 | .941 | .917 | .889 | .836 | .777 | .704 | .325 |
| 18 | .987 | .986 | .976 | .960 | .933 | .892 | .830 | .331 |
| 19 | .999 | .999 | .998 | .996 | .991 | .980 | .955 | .339 |
| 20 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | .999 | .347 |
| 21 | .551 | .487 | .454 | .422 | .391 | .361 | .331 | .297 |
| 22 | .668 | .604 | .567 | .539 | .510 | .480 | .449 | .526 |
| 23 | .693 | .570 | .530 | .490 | .450 | .410 | .372 | .294 |
| 24 | .741 | .760 | .753 | .725 | .694 | .662 | .628 | .570 |
| 25 | .783 | .814 | .788 | .760 | .729 | .695 | .660 | .589 |
| 26 | .823 | .875 | .845 | .813 | .780 | .747 | .720 | .477 |
| 27 | .957 | .763 | .717 | .666 | .611 | .553 | .494 | .259 |
| 28 | .803 | .907 | .884 | .856 | .822 | .783 | .738 | .493 |
| 29 | .870 | .951 | .938 | .923 | .903 | .879 | .851 | .654 |
| 30 | .739 | .763 | .738 | .710 | .682 | .651 | .620 | .470 |
| 31 | .360 | .408 | .407 | .406 | .405 | .404 | .403 | .408 |
| 32 | .360 | .404 | .501 | .507 | .514 | .521 | .528 | .581 |
| 33 | .360 | .353 | .361 | .370 | .378 | .387 | .396 | .455 |
| 34 | .360 | .350 | .339 | .348 | .356 | .365 | .375 | .427 |
| 35 | .360 | .433 | .446 | .455 | .463 | .472 | .480 | .523 |

Table I-38
Navy Enlisted Continuation Rates

FILE: ACOLMATE PAGE6N A1 VM/SP CONVERSATIONAL MONITOR SYSTEM

| ACOL OUTPUT | DATE OF RUN: 11/21/83 | | | 17:03:32 BASE YEAR: SEVEN YEAR AVG. | | | | |
|----------------------------|-----------------------|---------|---------|-------------------------------------|---------|---------|---------|---------|
| SERVICE: NAVY | ENLISTED MEN | | | 10 * * AGGREGATE * * | | | | |
| CURRENT | | | | | | | | |
| YR VESTED: | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| ANNUITY AGE: | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 |
| MULTIPLIER: | .025 | .025 | .025 | .025 | .025 | .025 | .025 | .025 |
| DECREMENTED? | Y | Y | Y | Y | Y | Y | Y | Y |
| PAY CHANGES? | N | N | N | N | N | N | N | N |
| BETA WT.: | .000162 | .000162 | .000162 | .000162 | .000162 | .000162 | .000162 | .000162 |
| ENLOSS: | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| COLA ADJ? | N | N | N | N | N | N | N | N |
| AVG. CPI: | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| --- CONTINUATION RATES --- | | | | | | | | |
| CASE NO. : BASE | 1 | 2 | 3 | 4 | 5 | 6 | 7 | |
| YEAR OF SERVICE | | | | | | | | |
| 1 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 2 | .871 | .872 | .872 | .872 | .871 | .871 | .871 | .871 |
| 3 | .862 | .862 | .862 | .861 | .861 | .861 | .860 | .859 |
| 4 | .790 | .790 | .788 | .787 | .785 | .784 | .782 | .778 |
| 5 | .498 | .496 | .489 | .482 | .475 | .468 | .462 | .446 |
| 6 | .833 | .832 | .829 | .826 | .823 | .820 | .817 | .809 |
| 7 | .758 | .757 | .752 | .747 | .742 | .738 | .733 | .722 |
| 8 | .895 | .894 | .891 | .888 | .884 | .881 | .878 | .870 |
| 9 | .847 | .845 | .838 | .831 | .825 | .818 | .811 | .796 |
| 10 | .883 | .882 | .876 | .869 | .862 | .856 | .849 | .828 |
| 11 | .893 | .891 | .883 | .875 | .867 | .858 | .850 | .825 |
| 12 | .940 | .939 | .935 | .930 | .925 | .919 | .913 | .890 |
| 13 | .945 | .944 | .938 | .932 | .925 | .918 | .911 | .877 |
| 14 | .961 | .960 | .956 | .951 | .946 | .940 | .933 | .903 |
| 15 | .965 | .964 | .960 | .955 | .949 | .943 | .935 | .896 |
| 16 | .971 | .970 | .966 | .961 | .955 | .947 | .938 | .888 |
| 17 | .974 | .973 | .968 | .961 | .952 | .940 | .925 | .850 |
| 18 | .984 | .983 | .982 | .979 | .975 | .969 | .960 | .884 |
| 19 | .967 | .967 | .967 | .967 | .966 | .965 | .962 | .885 |
| 20 | .828 | .828 | .828 | .828 | .828 | .828 | .828 | .706 |
| 21 | .551 | .487 | .454 | .422 | .391 | .361 | .331 | .297 |
| 22 | .668 | .694 | .667 | .639 | .610 | .560 | .549 | .526 |
| 23 | .693 | .570 | .530 | .490 | .450 | .410 | .372 | .294 |
| 24 | .741 | .780 | .753 | .725 | .694 | .662 | .628 | .570 |
| 25 | .783 | .814 | .788 | .760 | .729 | .695 | .660 | .589 |
| 26 | .825 | .873 | .845 | .813 | .780 | .747 | .712 | .647 |
| 27 | .780 | .763 | .717 | .666 | .611 | .553 | .494 | .429 |
| 28 | .803 | .907 | .884 | .856 | .822 | .783 | .738 | .683 |
| 29 | .870 | .951 | .938 | .923 | .903 | .879 | .851 | .784 |
| 30 | .739 | .763 | .738 | .710 | .682 | .651 | .620 | .570 |
| 31 | .360 | .408 | .407 | .406 | .405 | .404 | .403 | .400 |
| 32 | .380 | .494 | .501 | .507 | .514 | .521 | .528 | .581 |
| 33 | .360 | .353 | .361 | .370 | .376 | .387 | .396 | .455 |
| 34 | .360 | .330 | .336 | .348 | .356 | .365 | .375 | .427 |
| 35 | .360 | .438 | .446 | .455 | .463 | .472 | .480 | .523 |

Table I-39
Navy Enlisted Survival Rates

FILE: ACOLMATE PAGE7N

A1

VM/SP CONVERSATIONAL MONITOR SYSTEM

| | | | | | | | | |
|------------------------|---|---------|---------|---------|---------|---------|---------|---------|
| ACOL OUTPUT | DATE OF RUN: 11/21/83 17:03:32 BASE YEAR: SEVEN YEAR AVG. | | | | | | | |
| SERVICE: NAVY | ENLISTED MEN 10 * * AGGREGATE * * | | | | | | | |
| CURRENT | | | | | | | | |
| YR VISTED: | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| ANNUITY AGE: | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 |
| MULTIPLIER: | .025 | .025 | .025 | .025 | .025 | .025 | .025 | .025 |
| DECREMENTED? | Y | Y | Y | Y | Y | Y | Y | Y |
| PAY CHANGES? | N | N | N | N | N | N | N | N |
| BETA WT.: | .000162 | .000162 | .000162 | .000162 | .000162 | .000162 | .000162 | .000162 |
| ENLOSS: | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| COLA ADJ: | N | N | N | N | N | N | N | N |
| AVG. CPI: | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| --- SURVIVAL RATES --- | | | | | | | | |
| CASE NO. : BASE | 1 | 2 | 3 | 4 | 5 | 6 | 7 | |
| YEAR OF SERVICE | | | | | | | | |
| 1 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 2 | .871 | .872 | .872 | .871 | .871 | .871 | .871 | .871 |
| 3 | .751 | .751 | .751 | .751 | .750 | .750 | .750 | .749 |
| 4 | .593 | .593 | .592 | .590 | .589 | .588 | .587 | .583 |
| 5 | .295 | .294 | .289 | .284 | .280 | .275 | .271 | .260 |
| 6 | .246 | .245 | .240 | .235 | .230 | .226 | .221 | .210 |
| 7 | .186 | .185 | .180 | .175 | .171 | .166 | .162 | .152 |
| 8 | .167 | .166 | .161 | .156 | .151 | .147 | .142 | .132 |
| 9 | .141 | .140 | .135 | .130 | .125 | .120 | .115 | .105 |
| 10 | .125 | .124 | .118 | .113 | .107 | .103 | .098 | .087 |
| 11 | .111 | .110 | .104 | .098 | .093 | .088 | .083 | .072 |
| 12 | .105 | .103 | .097 | .092 | .086 | .081 | .076 | .064 |
| 13 | .099 | .098 | .091 | .085 | .080 | .074 | .069 | .056 |
| 14 | .095 | .094 | .087 | .081 | .075 | .070 | .065 | .051 |
| 15 | .092 | .090 | .084 | .078 | .072 | .066 | .060 | .045 |
| 16 | .089 | .088 | .081 | .075 | .068 | .062 | .057 | .040 |
| 17 | .087 | .085 | .078 | .072 | .065 | .059 | .052 | .034 |
| 18 | .085 | .084 | .077 | .070 | .063 | .057 | .050 | .030 |
| 19 | .082 | .081 | .074 | .068 | .061 | .055 | .048 | .027 |
| 20 | .068 | .067 | .062 | .056 | .051 | .045 | .040 | .019 |
| 21 | .038 | .033 | .028 | .024 | .020 | .016 | .013 | .006 |
| 22 | .025 | .023 | .019 | .015 | .012 | .009 | .007 | .003 |
| 23 | .017 | .013 | .010 | .007 | .005 | .004 | .003 | .001 |
| 24 | .013 | .010 | .007 | .005 | .004 | .003 | .002 | .000 |
| 25 | .010 | .008 | .006 | .004 | .003 | .002 | .001 | .000 |
| 26 | .008 | .006 | .004 | .003 | .002 | .001 | .001 | .000 |
| 27 | .006 | .004 | .003 | .002 | .001 | .001 | .000 | .000 |
| 28 | .005 | .004 | .002 | .001 | .001 | .000 | .000 | .000 |
| 29 | .004 | .004 | .002 | .001 | .001 | .000 | .000 | .000 |
| 30 | .003 | .003 | .002 | .001 | .000 | .000 | .000 | .000 |
| 31 | .001 | .001 | .001 | .000 | .000 | .000 | .000 | .000 |
| 32 | .000 | .001 | .000 | .000 | .000 | .000 | .000 | .000 |
| 33 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| 34 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| 35 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |

Table I-40
Navy Enlisted Present Value Gap

FILE: NE10 PVGAPN A1 VM/SP CONVERSATIONAL MONITOR SYSTEM

ACOL OUTPUT DATE OF RUN: 11/21/83 17:03:32 BASE YEAR: SEVEN YEAR AVG.
SERVICE: NAVY ENLISTED MEN 10 * * AGGREGATE * *
CURRENT
YR VESTED: 20 20 20 20 20 20 20 20
ANNUITY AGE: 38 38 38 38 38 38 38 38
MULTIPLIER: .025 .025 .025 .025 .025 .025 .025 .025
DECREMENTED? Y Y Y Y Y Y Y Y
PAY CHANGES? N N N N N N N N
BETA WT.: .000102 .000102 .000102 .000102 .000102 .000102 .000102 .000102
INLOSS: .000 .000 .000 .000 .000 .000 .000 .000
COLA ADJ? N N N N N N N N
AVG. CPI: .000 .000 .000 .000 .000 .000 .000 .000
--- 1: PRESENT VALUE GAP 2: YR PV MAX ---
CASE NO. 1 BASE 1 2 3 4 5 6 7
YEAR OF SERVICE
2 36022 -614 -3146 -5679 -8211 -10743 -13276 -20198
3 40074 -627 -3521 -6354 -9188 -12022 -14855 -20382
4 45092 -758 -3883 -7089 -10134 -13288 -16385 -23512
5 48556 -830 -4252 -7675 -11097 -14520 -17942 -24621
6 50423 -905 -4635 -8305 -12098 -15820 -19537 -27777
7 53898 -983 -5038 -9093 -13148 -17293 -21258 -29499
8 54916 -1065 -5456 -9848 -14246 -18631 -23023 -30356
9 57828 -1150 -5893 -10630 -15379 -20122 -24865 -34387
10 58684 -1241 -6359 -11478 -16594 -21711 -26829 -34871
11 61549 -1339 -6861 -12383 -17925 -23420 -28948 -39285
12 63785 -1441 -7382 -13324 -19285 -25287 -31148 -47398
13 67137 -1558 -7943 -14336 -20729 -27123 -33516 -45754
14 70685 -1667 -8539 -15412 -22284 -29157 -36029 -54816
15 76397 -1792 -9188 -16568 -23936 -31344 -38731 -58928
16 80487 -1922 -9859 -17777 -25764 -33632 -41559 -63220
17 86482 -2065 -10578 -18992 -27686 -35128 -44634 -67988
18 92676 -2215 -11351 -20488 -29622 -36757 -47893 -72865
19 99720 -2377 -12179 -21982 -31784 -41586 -51389 -78185
20 107226 -2550 -13068 -23586 -34104 -44622 -55140 -83892
21 9228 -1585 -2389 -3192 -3995 -4799 -5682 16334
21 1 1 1 1 1 1 1 15

Table I-40 (Con't)
Navy Enlisted Present Value Gap

| FILE: NE10 | PYCAPN | A1 | VM/SP CONVERSATIONAL MONITOR SYSTEM | | | | | | |
|------------|--------|--------|-------------------------------------|--------|--------|--------|--------|-------|--|
| 22 | 6649 | 759 | -18 | -778 | -1547 | -2316 | -3884 | 21146 | |
| 22 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 14 | |
| 23 | 13792 | -3267 | -4263 | -5259 | -6255 | -7252 | -8248 | 16382 | |
| 23 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 15 | |
| 24 | 8489 | 1316 | 498 | -515 | -1438 | -2346 | -3261 | 23168 | |
| 24 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 12 | |
| 25 | 9836 | 1223 | 213 | -796 | -1885 | -2815 | -3824 | 23346 | |
| 25 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 11 | |
| 26 | 28313 | -18628 | -19465 | -28362 | -21159 | -21976 | -12888 | 6217 | |
| 26 | 2 | 1 | 1 | 1 | 1 | 1 | 3 | 18 | |
| 27 | 38731 | -11986 | -13386 | -14854 | -16328 | -17883 | -19277 | 4888 | |
| 27 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 9 | |
| 28 | 14388 | 5361 | 3835 | 2389 | 784 | -742 | -2208 | 19389 | |
| 28 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 6 | |
| 29 | 13223 | 6623 | 5185 | 3587 | 2872 | 552 | -966 | 18856 | |
| 29 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | |
| 30 | 12752 | 798 | -41 | -688 | -1718 | -2557 | -3396 | 15758 | |
| 30 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 6 | |
| 31 | 4974 | 731 | 786 | 882 | 558 | 534 | 618 | 19998 | |
| 31 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 5 | |
| 32 | 738 | 2868 | 3835 | 3283 | 3371 | 3530 | 3786 | 28145 | |
| 32 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 4 | |
| 33 | 4843 | -722 | -495 | -268 | -41 | 185 | 412 | 12649 | |
| 33 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 3 | |
| 34 | 4946 | -1348 | -1187 | -865 | -624 | -382 | -141 | 6934 | |
| 34 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | |
| 35 | 2082 | 1473 | 1685 | 1897 | 2118 | 2322 | 2534 | 3596 | |
| 35 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |

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Table I-43 Navy Enlisted Cost Summary

FILE: COST10N1 COSTN A1 VM/SP CONVERSATIONAL MONITOR SYSTEM

ACOL OUTPUT DATE OF RUN: 11/21/83 17:03:32 BASE YEAR: SKYNN YEAR AVG.
SERVICE: NAVY ENLISTED MEN 10 * * AGGREGATE * *
CURRENT
YR VESTED: 20 20 20 20 20 20 20 20
ANNUITY AGE: 30 30 30 30 30 30 30 30
MULTIPLIER: .025 .025 .025 .025 .025 .025 .025 .025
DECREMENTED? Y Y Y Y Y Y Y Y
PAY CHANGES? N N N N N N N N
BETA WT.: .000162 .000162 .000162 .000162 .000162 .000162 .000162 .000162
INLOSS: .000 .000 .000 .000 .000 .000 .000 .000
COLA ADJ? N N N N N N N N
AVG. CPI: .000 .000 .000 .000 .000 .000 .000 .000

--- SUMMARY TABLE : MILITARY PAY (MIL'S) FOR YEAR 81 ---
CASE NO. : BASE 1 2 3 4 5 6 7
YEAR OF SERVICE
1 - 4 YEARS 3544.67 3572.02 3653.43 3731.72 3807.85 3881.87 3953.73 4161.30
5 - 10 YEARS 1842.98 1847.84 1837.98 1828.81 1814.81 1802.16 1788.65 1765.71
11 - 20 YEARS 1813.85 1801.78 1711.84 1619.83 1523.99 1427.46 1330.43 1012.64
21 - 30 YEARS 314.88 257.79 202.84 157.98 121.88 93.22 70.71 27.94
MORE THAN 30 Y 5.88 5.95 3.67 2.13 1.16 .59 .28 .01
-- TOTAL -- 7521.36 7486.28 7409.67 7337.64 7269.69 7205.25 7144.80 6965.59

--- MILITARY PAY (MIL'S) FOR YEAR 81, BY SOURCE ---
CASE NO. : BASE 1 2 3 4 5 6 7
YEAR OF SERVICE
BASE PAY 4868.31 4842.14 4789.40 4748.61 4695.82 4652.21 4611.86 4494.10
BAS 768.88 788.88 788.88 768.88 768.88 768.88 768.88 788.88
VHA 214.58 212.89 209.39 206.18 202.97 200.00 197.18 188.85
BAQ 1161.68 1157.30 1147.04 1137.26 1127.98 1119.88 1110.55 1085.64
S+1 488.88 485.96 475.74 465.65 455.73 445.86 436.41 409.61
XMAS BONUS .88 .88 .88 .88 .88 .88 .88 .88
--TOTAL-- 7521.36 7486.28 7409.67 7337.64 7269.69 7205.25 7144.80 6965.59

--- SUMMARY TABLE : RETIREMENT (MIL'S) FOR YEAR 81 ---
CASE NO. : BASE 1 2 3 4 5 6 7
YEAR OF SERVICE
1 - 4 YEARS 18.95 17.78 16.58 15.11 13.61 11.98 10.25 .00
5 - 10 YEARS 20.76 20.48 19.82 17.41 15.66 13.77 11.74 .00
11 - 20 YEARS 1064.35 1148.00 1016.85 880.95 744.81 609.93 469.89 .00
21 - 30 YEARS 1049.25 871.48 684.28 523.79 389.84 278.63 199.46 .00
MORE THAN 30 Y 45.76 41.98 23.27 11.88 5.59 2.48 .95 .00
-- TOTAL -- 2218.21 2098.52 1759.12 1449.15 1169.16 916.71 693.49 .00

TAX ADV(MIL'S): 516.88 513.98 509.89 506.13 502.64 499.39 496.35 487.6

-> -> -> TOTAL COST (MIL'S) FOR YEAR 81
MILITARY 7521.36 7486.28 7409.67 7337.64 7269.69 7205.25 7144.80 6965.59
RETIREMENT 2218.21 2098.52 1759.12 1449.15 1169.16 916.71 693.49 .00
DEATH BEN. 1.34 1.34 1.31 1.29 1.26 1.25 1.22 1.18
-- TOTAL - 9740.91 9586.13 9178.16 8788.88 8440.05 8123.21 7838.63 6966.77

Table I-44
USMC Enlisted Military Versus Civilian Income Streams

| ***** INCOME STREAMS: MILITARY PAY ***** | | | | | | | | | | |
|--|--------------|-------|-------|--------|-------|-------|--------|--------|---------|---------|
| SCENARIO NO. # | 0 : BASECASE | | | | | | | | | |
| AGE (LOS) | BASE | BAS | VHA | BAQ | SIPAY | TAXES | XBONUS | MILPAY | ANNUITY | CIVV |
| 18 1 | 7711 | 1643 | 168 | 1819 | 0 | 871 | 0 | 12213 | 0 | 12476 |
| 19 2 | 7788 | 1643 | 1349 | 1863 | 0 | 892 | 0 | 13535 | 0 | 13197 |
| 20 3 | 8487 | 1643 | 1349 | 1998 | 5 | 942 | 0 | 14336 | 0 | 13934 |
| 21 4 | 8967 | 1643 | 1949 | 2105 | 31 | 968 | 0 | 15662 | 0 | 14685 |
| 22 5 | 9761 | 1643 | 1949 | 2367 | 92 | 1017 | 0 | 16828 | 0 | 15449 |
| 23 6 | 10116 | 1643 | 1949 | 2666 | 596 | 1092 | 0 | 18662 | 0 | 16223 |
| 24 7 | 10739 | 1643 | 1949 | 2740 | 628 | 1102 | 0 | 18888 | 0 | 17885 |
| 25 8 | 11058 | 1643 | 1949 | 2898 | 469 | 1158 | 0 | 19158 | 0 | 17792 |
| 26 9 | 12434 | 1643 | 1949 | 3188 | 2197 | 1280 | 0 | 22698 | 0 | 18581 |
| 27 10 | 12689 | 1643 | 1949 | 3279 | 2058 | 1315 | 0 | 22985 | 0 | 19370 |
| 28 11 | 13179 | 1643 | 1949 | 3312 | 1778 | 1322 | 0 | 23174 | 0 | 20156 |
| 29 12 | 13347 | 1643 | 1949 | 3392 | 1565 | 1379 | 0 | 23481 | 0 | 20935 |
| 30 13 | 14736 | 1643 | 1949 | 3499 | 1059 | 1479 | 0 | 24365 | 0 | 21705 |
| 31 14 | 15164 | 1643 | 1949 | 3607 | 1146 | 1556 | 0 | 25065 | 0 | 22462 |
| 32 15 | 15980 | 1643 | 1949 | 3661 | 1415 | 1576 | 0 | 26228 | 0 | 23283 |
| 33 16 | 15982 | 1643 | 1949 | 3666 | 1244 | 1579 | 0 | 26062 | 0 | 23925 |
| 34 17 | 16657 | 1643 | 1949 | 3697 | 994 | 1618 | 0 | 26558 | 0 | 24625 |
| 35 18 | 17866 | 1643 | 1949 | 3752 | 875 | 1696 | 0 | 27816 | 0 | 25299 |
| 36 19 | 18091 | 1643 | 1949 | 3837 | 782 | 1793 | 0 | 28014 | 0 | 25944 |
| 37 20 | 18644 | 1643 | 1949 | 3920 | 577 | 1892 | 0 | 28625 | 9322 | 26556 |
| 38 21 | 19442 | 1643 | 1949 | 4001 | 319 | 1954 | 0 | 29387 | 10207 | 27134 |
| 39 22 | 19665 | 1643 | 1949 | 4021 | 244 | 2001 | 0 | 29522 | 10816 | 27674 |
| 40 23 | 21230 | 1643 | 1949 | 4059 | 264 | 2089 | 0 | 31233 | 12207 | 28173 |
| 41 24 | 21968 | 1643 | 1949 | 4163 | 144 | 2244 | 0 | 32111 | 13181 | 28629 |
| 42 25 | 22514 | 1643 | 1949 | 4228 | 144 | 2350 | 0 | 32836 | 14071 | 29039 |
| 43 26 | 22953 | 1643 | 1949 | 4292 | 101 | 2451 | 0 | 33389 | 14919 | 29461 |
| 44 27 | 25594 | 1643 | 1949 | 4326 | 79 | 2511 | 0 | 36012 | 17215 | 29714 |
| 45 28 | 25567 | 1643 | 1949 | 4251 | 137 | 2523 | 0 | 36063 | 17892 | 29975 |
| 46 29 | 25560 | 1643 | 1949 | 4339 | 102 | 2523 | 0 | 36115 | 18531 | 30184 |
| 47 30 | 25560 | 1643 | 1949 | 4287 | 56 | 2523 | 0 | 36017 | 19178 | 30338 |
| 48 31 | 25560 | 1643 | 1949 | 4364 | 56 | 2523 | 0 | 36094 | 19170 | 30438 |
| 49 32 | 25560 | 1643 | 1949 | 4332 | 56 | 2523 | 0 | 36062 | 19170 | 30482 |
| 50 33 | 25560 | 1643 | 1949 | 4218 | 56 | 2523 | 0 | 35940 | 19170 | 30471 |
| 51 34 | 25560 | 1643 | 1949 | 4424 | 56 | 2523 | 0 | 36154 | 19170 | 30485 |
| 52 35 | 25560 | 1643 | 1949 | 4424 | 56 | 2523 | 0 | 36154 | 19170 | 30283 |
| 53 36 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 19170 | 30186 |
| 54 37 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 19170 | 29877 |
| 55 38 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 19170 | 29595 |
| 56 39 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 19170 | 29262 |
| 57 40 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 19170 | 28860 |
| 58 41 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 19170 | 28451 |
| 59 42 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 19170 | 27978 |
| 60 43 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 19170 | 27462 |
| 61 44 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 19170 | 26987 |
| 62 45 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 19170 | 26314 |
| 63 46 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 19170 | 25688 |
| 64 47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 19170 | 25032 |
| TOTALS: | 616481 | 57499 | 65227 | 124987 | 16283 | 62318 | 0 | 945787 | 483421 | 1171414 |

Table I-45
USMC Enlisted Annualized Cost of Leaving (ACOL)

FILE: ACOLMATE PAGEIM A1

VM/SP CONVERSATIONAL MONITOR SYSTEM

ACOL OUTPUT DATE OF RUN: 11/21/83 17:15:39 BASE YEAR: SEVEN YEAR AVG.
SERVICE: MARINE CORPS INLISTED MEN 10 * * AGGREGATE * *
CURRENT
YR VESTED: 20 20 20 20 20 20 20 20
ANNUITY AGE: 38 38 38 38 38 38 38 38
MULTIPLIER: .025 .025 .025 .025 .025 .025 .025 .025
DECREMENTED? Y Y Y Y Y Y Y Y
PAY CHANGES? N N N N N N N N
RETA WT.: .000162 .000162 .000162 .000162 .000162 .000162 .000162 .000162
ENLOSS: .000 .000 .000 .000 .000 .000 .000 .000
COLA ADJ? N N N N N N N N
AVG. CPI: .000 .000 .000 .000 .000 .000 .000 .000
--- ACOL MATRIX ---
CASI NO. 1 2 3 4 5 6 7
YEAR OF SERVICE
2 4032 4719 4431 4143 3861 3611 3360 2294
3 5346 5220 4899 4578 4257 3936 3634 2473
4 5989 5769 5412 5054 4696 4339 3981 2658
5 6477 6321 5922 5524 5125 4726 4327 2806
6 7076 6902 6457 6011 5565 5119 4673 2930
7 7710 7515 7015 6515 6016 5516 5016 3026
8 8450 8230 7668 7166 6544 5981 5419 3133
9 9375 9127 8491 7856 7220 6584 5949 3109
10 10100 9817 9094 8371 7648 6925 6202 3535
11 11059 10736 9907 9078 8249 7420 6592 3186
12 12319 11945 10986 10028 9069 8110 7152 3202
13 13985 13547 12425 11303 10181 9059 7937 3261
14 16116 15596 14263 12930 11596 10263 8930 3317
15 18085 17354 16038 14722 13389 12056 10723 3384
16 22912 22126 20112 18098 16084 14070 12056 3419
17 29062 28073 25460 22846 20233 17620 15007 3545
18 39498 38088 34474 30859 27245 23630 20016 3707
19 50481 48288 42666 37044 31422 25801 20179 3913
20 123155 118609 106955 95301 83647 71993 60339 4110
21 12538 12241 11234 10227 9220 8214 7207 4336
22 8992 8456 7595 6735 5874 5013 4152 4585
23 19438 14218 13102 11986 10870 9755 8639 4914
24 13922 14441 13345 12250 11154 10058 8962 5149
25 13136 16028 14805 13582 12359 11136 9913 5372
26 15496 13129 12215 11301 10387 9473 8558 5597
27 31816 20527 19104 17681 16258 14835 13412 6298
28 11522 19173 17864 16556 15247 13939 12630 6088
29 16616 17868 16675 15481 14287 13094 11900 5931
30 9867 10027 9592 9157 8722 8288 7853 5679
31 2214 2214 2558 2902 3246 3591 3935 5657
32 2663 2063 2414 2766 3118 3469 3821 5658
33 1913 1913 2269 2624 2980 3335 3691 5688
34 2167 2167 2526 2884 3242 3600 3959 5809
35 2275 2275 2635 2995 3354 3714 4073 5872

Table I-46
USMC Enlisted Pay Component of ACOL

FILE: ACOLMATE PAGF2M A1 VM/SP CONVERSATIONAL MONITOR SYSTEM

ACOL OUTPUT DATE OF RUN: 11/21/83 17:15:39 BASE YEAR: SEVEN YEAR AVG.
SERVICE: MARINE CORPS ENLISTED MEN 10 * * AGGREGATE * *
CURRENT
YR VESTED: 20 20 20 20 20 20 20 20
ANNUITY AGE: 38 38 38 38 38 38 38 38
MULTIPLIER: .025 .025 .025 .025 .025 .025 .025 .025
DECREMENTED? Y Y Y Y Y Y Y Y
PAY CHANGES? N N N N N N N N
BETA WT.: .000162 .000162 .000162 .000162 .000162 .000162 .000162 .000162
ENLOSS: .000 .000 .000 .000 .000 .000 .000 .000
COLA ADJ? N N N N N N N N
AVG. CPI: .000 .000 .000 .000 .000 .000 .000 .000

--- ACOL PAY COMPONENT ---

| CASI NO. | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|-----------------|------|------|------|------|------|------|------|
| YEAR OF SERVICE | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| 2 | 1838 | 1838 | 1838 | 1838 | 2110 | 2110 | 2294 |
| 3 | 2089 | 2089 | 2089 | 2089 | 2089 | 2089 | 2473 |
| 4 | 2192 | 2192 | 2192 | 2192 | 2192 | 2192 | 2658 |
| 5 | 2332 | 2332 | 2332 | 2332 | 2332 | 2332 | 2806 |
| 6 | 2444 | 2444 | 2444 | 2444 | 2444 | 2444 | 2930 |
| 7 | 2518 | 2518 | 2518 | 2518 | 2518 | 2518 | 3026 |
| 8 | 2608 | 2608 | 2608 | 2608 | 2608 | 2608 | 3133 |
| 9 | 2770 | 2770 | 2770 | 2770 | 2770 | 2770 | 3261 |
| 10 | 2586 | 2586 | 2586 | 2586 | 2586 | 2586 | 3317 |
| 11 | 2447 | 2447 | 2447 | 2447 | 2447 | 2447 | 3186 |
| 12 | 2358 | 2358 | 2358 | 2358 | 2358 | 2358 | 3202 |
| 13 | 2326 | 2326 | 2326 | 2326 | 2326 | 2326 | 3261 |
| 14 | 2263 | 2263 | 2263 | 2263 | 2263 | 2263 | 3317 |
| 15 | 2191 | 2191 | 2191 | 2191 | 2191 | 2191 | 3384 |
| 16 | 1986 | 1986 | 1986 | 1986 | 1986 | 1986 | 3419 |
| 17 | 1941 | 1941 | 1941 | 1941 | 1941 | 1941 | 3545 |
| 18 | 1944 | 1944 | 1944 | 1944 | 1944 | 1944 | 3707 |
| 19 | 2070 | 2070 | 2070 | 2070 | 2070 | 2070 | 3913 |
| 20 | 2068 | 2068 | 2068 | 2068 | 2068 | 2068 | 4110 |
| 21 | 2173 | 2173 | 2173 | 2173 | 2173 | 2173 | 4336 |
| 22 | 2433 | 1848 | 1848 | 1848 | 1848 | 1848 | 4585 |
| 23 | 3060 | 3060 | 3060 | 3060 | 3060 | 3060 | 4914 |
| 24 | 3483 | 3483 | 3483 | 3483 | 3483 | 3483 | 5142 |
| 25 | 3797 | 3797 | 3797 | 3797 | 3797 | 3797 | 5372 |
| 26 | 5104 | 3988 | 3988 | 3988 | 3988 | 3988 | 5597 |
| 27 | 6298 | 6298 | 6298 | 6298 | 6298 | 6298 | 6298 |
| 28 | 6088 | 6088 | 6088 | 6088 | 6088 | 6088 | 6088 |
| 29 | 5931 | 5931 | 5931 | 5931 | 5931 | 5931 | 5931 |
| 30 | 5679 | 5679 | 5679 | 5679 | 5679 | 5679 | 5679 |
| 31 | 5656 | 5656 | 5656 | 5656 | 5656 | 5656 | 5657 |
| 32 | 5580 | 5580 | 5580 | 5580 | 5580 | 5580 | 5658 |
| 33 | 5469 | 5469 | 5469 | 5469 | 5469 | 5469 | 5688 |
| 34 | 5750 | 5750 | 5750 | 5750 | 5750 | 5750 | 5800 |
| 35 | 5872 | 5872 | 5872 | 5872 | 5872 | 5872 | 5872 |

Table I-47
USMC Enlisted Retirement Component of ACOL

FILE: ACOLMATE PAGE3M A1

VM/SP CONVERSATIONAL MONITOR SYSTEM

ACOL OUTPUT DATE OF RUN: 11/21/83 17:15:39 BASE YEAR: SEVEN YEAR AVG.
SERVICE: MARINE CORPS ENLISTED MEN 10 * * AGGREGATE * *
CURRENT
YR VESTED: 20 20 20 20 20 20 20 20
ANNUITY AGE: 38 38 38 38 38 38 38 38
MULTIPLIER: .025 .025 .025 .025 .025 .025 .025 .025
DECREMENTED? Y Y Y Y Y Y Y Y
PAY CHANGES? N N N N N N N N
BETA WT.: .000162 .000162 .000162 .000162 .000162 .000162 .000162 .000162
ENLOSS: .000 .000 .000 .000 .000 .000 .000 .000
COLA ADJ? N N N N N N N N
AVG. CPI: .000 .000 .000 .000 .000 .000 .000 .000
*** ACOL RETIREMENT COMPONENT ***
CASE NO. : BASE 1 2 3 4 5 6 7
YEAR OF SERVICE
2 2954 2881 2593 2385 1751 1508 1250 0
3 3336 3211 2898 2569 2248 1927 1372 0
4 3717 3577 3219 2862 2584 2146 1789 0
5 4145 3989 3598 3191 2792 2393 1995 0
6 4632 4458 4012 3566 3121 2675 2229 0
7 5192 4997 4497 3998 3496 2998 2498 0
8 5642 5622 5068 4498 3936 3373 2811 0
9 6685 6357 5721 5085 4458 3814 3178 0
10 7513 7231 6588 5785 5062 4339 3616 0
11 8612 8288 7459 6631 5802 4973 4144 0
12 9961 9587 8628 7678 6711 5752 4794 0
13 11659 11221 10099 8977 7855 6733 5611 0
14 13853 13333 12088 10667 9333 8000 6667 0
15 16794 16163 14547 12931 11314 9698 8082 0
16 20926 20148 18128 16112 14098 12084 10078 0
17 27151 26132 23519 20906 18292 15679 13066 0
18 37554 36144 32538 28915 25381 21886 18072 0
19 58411 56218 50506 44975 39353 33731 28109 0
20 121887 116541 104886 93232 81578 69924 58270 0
21 18365 18067 16061 14054 12047 10040 8034 0
22 6868 6808 7747 6884 6826 5165 4384 0
23 16378 11158 10442 8928 7818 6695 5579 0
24 18439 18959 9863 8767 7671 6575 5479 0
25 9339 12232 11889 9785 8562 7339 6116 0
26 18392 9141 8227 7313 6399 5485 4571 0
27 25518 14229 12886 11383 9968 8537 7114 0
28 5435 13885 11776 10468 9159 7851 6542 0
29 4684 11937 10743 9558 8358 7162 5969 0
30 4188 4348 3913 3478 3043 2609 2174 0
31 -3443 -3443 -3098 -2754 -2418 -2066 -1721 0
32 -3517 -3517 -3105 -2814 -2462 -2118 -1758 0
33 -3556 -3556 -3288 -2845 -2489 -2134 -1778 0
34 -3582 -3582 -3224 -2866 -2508 -2149 -1791 0
35 -3596 -3596 -3237 -2877 -2517 -2158 -1798 0

Table I-48
USMC Enlisted Force Structures

FILE: ACOLMATE PAGE4M A1

VM/SP CONVERSATIONAL MONITOR SYSTEM

ACOL OUTPUT DATE OF RUN: 11/21/83 17:15:39 BASE YEAR: SEVEN YEAR AVG.
SERVICE: MARINE CORPS ENLISTED MEN 10 * * ACGRPGATE * *
CURRENT
YR VISTED: 20 20 20 20 20 20 20 20
ANNUITY AGE: 38 38 38 38 38 38 38 38
MULTIPLIER: .025 .025 .025 .025 .025 .025 .025 .025
DECREMENTED? Y Y Y Y Y Y Y Y
PAY CHANGES? N N N N N N N N
DETA VT.: .000162 .000162 .000162 .000162 .000162 .000162 .000162 .000162
ENLOSS: .000 .000 .000 .000 .000 .000 .000 .000
COLA ADJ? N N N N N N N N
AVG. CPI: .000 .000 .000 .000 .000 .000 .000 .000
*** FORCE TABLE ***
CST NO. : BASE 1 2 3 4 5 6 7
YEAR OF SERVICE
1 30804 30165 40203 41189 42121 42999 43817 46403
2 33531 33853 34750 35602 36408 37165 37872 40106
3 28061 28327 29063 29762 30422 31142 31620 33438
4 19962 20135 20571 20979 21358 21708 22029 22994
5 7887 7888 7856 7812 7750 7690 7615 7264
6 6169 6099 6038 5968 5891 5807 5718 5344
7 4990 4968 4880 4787 4688 4586 4481 4262
8 4058 4067 3958 3846 3730 3614 3497 3247
9 3442 3403 3279 3153 3027 2901 2776 2344
10 2907 2861 2725 2588 2453 2320 2191 1761
11 2500 2450 2302 2156 2014 1877 1743 1312
12 2294 2248 2087 1937 1791 1651 1518 1085
13 2119 2063 1903 1747 1596 1452 1315 876
14 2009 1950 1785 1623 1467 1310 1178 730
15 1919 1858 1687 1519 1356 1201 1056 621
16 1859 1796 1619 1444 1273 1111 959 495
17 1809 1742 1554 1366 1182 1005 841 373
18 1789 1721 1531 1340 1149 964 790 300
19 1772 1700 1517 1327 1137 952 776 254
20 1709 1645 1463 1280 1097 918 748 198
21 942 887 729 586 458 348 255 40
22 630 638 503 386 287 207 143 24
23 454 435 341 268 112 72 44 5
24 353 265 184 122 78 47 27 2
25 283 238 155 99 61 35 19 1
26 242 184 120 74 44 24 13 1
27 187 154 96 57 31 16 8 0
28 147 142 88 51 27 14 6 0
29 116 132 80 45 24 12 5 0
30 92 105 63 35 18 9 4 0
31 34 39 24 14 7 4 2 0
32 12 14 9 5 3 2 1 0
33 5 5 3 2 1 1 0 0
34 2 2 1 1 1 0 0 0
35 1 1 1 0 0 0 0 0
TTL INDSTRENGTH 173069 173069 173069 173069 173069 173069 173069 173069
EXP. SERV. LIFE 4 4 4 4 4 4 4 4

Table I-49
USMC Enlisted Reenlistment Rates

FILE: ACOLMATE PAGE5M A1

VM/SP CONVERSATIONAL MONITOR SYSTEM

ACOL OUTPUT DATE OF RUN: 11/21/83 17:15:39 BASE YEAR: SEVEN YEAR AVG.
SERVICE: MARINE CORPS ENLISTED MEN 10 * * AGGREGATE * *
CURRENT
YE VISTED: 20 20 20 20 20 20 20 20
ANNUITY AGE: 38 38 38 38 38 38 38 38
MULTIPLIER: .025 .025 .025 .025 .025 .025 .025 .025
DECREMENTED? Y Y Y Y Y Y Y Y
PAY CHANGES? N N N N N N N N
BETA WT.: .000162 .000162 .000162 .000162 .000162 .000162 .000162 .000162
ENLOSS: .000 .000 .000 .000 .000 .000 .000 .000
COLA ADJ7 N N N N N N N N
AVG. CPI: .000 .000 .000 .000 .000 .000 .000 .000
-- REENLISTMENT RATES --
CASE NO. 1 2 3 4 5 6 7
YEAR OF SERVICE
1 1.000 1.000 1.000 1.000 1.000 1.000 1.000
2 .295 .291 .281 .272 .263 .255 .248
3 .178 .175 .167 .160 .153 .147 .141
4 .253 .249 .238 .228 .218 .208 .199
5 .266 .261 .249 .237 .226 .215 .204
6 .369 .362 .346 .330 .314 .299 .284
7 .538 .530 .518 .498 .478 .458 .438
8 .578 .570 .547 .525 .502 .479 .456
9 .622 .613 .588 .563 .537 .512 .486
10 .648 .638 .602 .574 .545 .516 .486
11 .696 .685 .656 .625 .593 .560 .527
12 .782 .771 .743 .712 .679 .645 .608
13 .834 .824 .796 .765 .730 .693 .653
14 .879 .870 .843 .813 .778 .738 .694
15 .898 .888 .859 .824 .783 .735 .681
16 .929 .920 .892 .857 .812 .757 .692
17 .948 .938 .906 .868 .827 .778 .724
18 .988 .985 .974 .954 .928 .895 .857
19 1.000 .999 .999 .997 .991 .979 .949
20 1.000 1.000 1.000 1.000 1.000 1.000 .214
21 .551 .539 .498 .458 .418 .379 .341
22 .689 .719 .698 .668 .628 .595 .561
23 .728 .725 .688 .648 .601 .568 .538
24 .778 .792 .761 .727 .691 .652 .610
25 .802 .866 .841 .813 .781 .745 .706
26 .855 .881 .776 .749 .720 .698 .667
27 .978 .836 .802 .763 .719 .672 .618
28 .783 .926 .910 .891 .869 .843 .812
29 .798 .924 .909 .892 .872 .849 .822
30 .793 .797 .786 .774 .761 .748 .735
31 .367 .367 .388 .394 .407 .420 .434
32 .367 .367 .381 .394 .408 .422 .436
33 .367 .367 .381 .394 .408 .422 .436
34 .367 .367 .381 .395 .409 .423 .437
35 .367 .367 .381 .395 .409 .423 .437

Table I-50
USMC Enlisted Continuation Rates

FILE: ACOLMATE PAGE6M A1

VM/SP CONVERSATIONAL MONITOR SYSTEM

ACOL OUTPUT DATE OF RUN: 11/21/83 17:15:39 PAST YEAR: SEVEN YEAR AVG.
SERVICE: MARINE CORPS ENLISTED MEN 10 * * ACCRFGATE * *
CURRENT
YR VESTED: 20 20 20 20 20 20 20 20
ANNUITY AGE: 38 38 38 38 38 38 38 38
MULTIPLIER: .025 .025 .025 .025 .025 .025 .025 .025
DECREMENTED? Y Y Y Y Y Y Y N
PAY CHANGES? N N N N N N N N
BETA WT.: .000162 .000162 .000162 .000162 .000162 .000162 .000162 .000162
ENLOSS: .000 .000 .000 .000 .000 .000 .000 .000
COLA ADJ? N N N N N N N N
AVG. CPI: .000 .000 .000 .000 .000 .000 .000 .000
--- CONTINUATION RATES ---
CASE NO. : BASE
YEAR OF SERVICE 1 2 3 4 5 6 7
1 1.000 1.000 1.000 1.000 1.000 1.000 1.000
2 .864 .864 .864 .864 .864 .864 .864
3 .837 .837 .836 .836 .835 .835 .834
4 .711 .711 .708 .705 .699 .697 .688
5 .395 .362 .382 .372 .363 .354 .316
6 .775 .773 .769 .764 .759 .755 .736
7 .817 .814 .808 .802 .796 .790 .784
8 .821 .819 .811 .803 .796 .788 .750
9 .848 .837 .828 .820 .811 .803 .769
10 .845 .841 .831 .821 .810 .800 .751
11 .860 .856 .845 .833 .821 .809 .745
12 .917 .915 .907 .898 .889 .880 .827
13 .924 .921 .912 .902 .891 .879 .808
14 .948 .945 .938 .929 .919 .908 .834
15 .955 .953 .945 .936 .924 .911 .823
16 .969 .967 .960 .951 .939 .925 .824
17 .973 .970 .960 .946 .928 .904 .752
18 .989 .988 .985 .981 .973 .960 .866
19 .991 .991 .991 .990 .989 .987 .982
20 .964 .964 .964 .964 .964 .964 .964
21 .551 .539 .498 .458 .418 .379 .341
22 .669 .719 .690 .660 .628 .595 .561
23 .720 .525 .480 .435 .391 .345 .309
24 .778 .792 .761 .727 .691 .652 .610
25 .802 .866 .841 .813 .781 .745 .706
26 .855 .881 .776 .749 .720 .690 .657
27 .775 .836 .802 .763 .719 .670 .618
28 .783 .926 .910 .891 .869 .843 .812
29 .790 .924 .909 .892 .872 .849 .822
30 .793 .797 .786 .774 .761 .748 .735
31 .367 .367 .380 .394 .407 .420 .434
32 .367 .367 .381 .394 .408 .422 .436
33 .367 .367 .381 .394 .408 .422 .436
34 .367 .367 .381 .395 .409 .423 .437
35 .367 .367 .381 .395 .409 .423 .437

Table I-51
USMC Enlisted Survival Rates

FILE: ACOLMATE PAG17M A1

VM/SP CONVERSATIONAL MONITOR SYSTEM

ACOL OUTPUT DATE OF RUN: 11/21/83 17:15:39 BASE YEAR: SEVEN YEAR AVG.
SERVICE: MARINE CORPS ENLISTED MEN 10 * * AGGREGATE * *
CURRENT
YR VESTED: 20 20 20 20 20 20 20 20
ANNUITY AGE: 38 38 38 38 38 38 38 38
MULTIPLIER: .025 .025 .025 .025 .025 .025 .025 .025
DECREMENTED? Y Y Y Y Y Y Y Y
PAY CHANGES? N N N N N N N N
BETA WT.: .000162 .000162 .000162 .000162 .000162 .000162 .000162 .000162
ENLOSS: .000 .000 .000 .000 .000 .000 .000 .000
COIA ADJ? N N N N N N N N
AVG. CPI: .000 .000 .000 .000 .000 .000 .000 .000
*** SURVIVAL RATES ***
CASE NO. : BASE
YEAR OF SERVICE 1 2 3 4 5 6 7
1 1.000 1.000 1.000 1.000 1.000 1.000 1.000
2 .864 .864 .864 .864 .864 .864 .864
3 .723 .723 .723 .723 .722 .722 .721
4 .514 .514 .512 .509 .507 .505 .496
5 .203 .201 .195 .190 .184 .179 .157
6 .157 .156 .150 .145 .140 .135 .115
7 .129 .127 .121 .116 .111 .107 .088
8 .106 .104 .098 .093 .089 .084 .066
9 .089 .087 .082 .077 .072 .067 .051
10 .075 .073 .068 .063 .058 .054 .039
11 .064 .063 .057 .052 .048 .044 .028
12 .059 .057 .052 .047 .043 .038 .023
13 .055 .053 .047 .042 .038 .034 .019
14 .052 .050 .044 .039 .035 .031 .016
15 .049 .047 .042 .037 .032 .028 .013
16 .048 .046 .040 .035 .030 .026 .011
17 .047 .044 .039 .033 .028 .023 .008
18 .046 .044 .038 .033 .027 .022 .006
19 .046 .044 .038 .032 .027 .022 .005
20 .044 .042 .036 .031 .026 .021 .004
21 .024 .023 .018 .014 .011 .008 .001
22 .016 .016 .013 .009 .007 .005 .001
23 .012 .009 .006 .004 .003 .002 .000
24 .009 .007 .005 .003 .002 .001 .000
25 .007 .006 .004 .002 .001 .001 .000
26 .006 .005 .003 .002 .001 .001 .000
27 .005 .004 .002 .001 .001 .000 .000
28 .004 .004 .002 .001 .001 .000 .000
29 .003 .003 .002 .001 .001 .000 .000
30 .002 .003 .002 .001 .000 .000 .000
31 .001 .001 .001 .000 .000 .000 .000
32 .000 .000 .000 .000 .000 .000 .000
33 .000 .000 .000 .000 .000 .000 .000
34 .000 .000 .000 .000 .000 .000 .000
35 .000 .000 .000 .000 .000 .000 .000

Table I-52
USMC Present Value Gap

| FILE: MSL0 | | PVGAPM | A1 | VM/SP CONVERSATIONAL MONITOR SYSTEM | | | | |
|--------------------------|---------|-----------------------|---------|-------------------------------------|---------|---------|---------|---------|
| ACOL OUTPUT | | DATE OF RUN: 11/21/83 | | 17:15:39 BASE YEAR: SEVEN YEAR AVO. | | | | |
| SERVICE: MARINE CORPS | | ENLISTED MEN | | 12 * * AGGREGATE * * | | | | |
| CURRENT | | | | | | | | |
| YR VSTED: | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| ANNUITY AGY: | 36 | 36 | 36 | 36 | 36 | 36 | 36 | 36 |
| MULTIPLIER: | .025 | .025 | .025 | .025 | .025 | .025 | .025 | .025 |
| DECREMENTED? | Y | Y | Y | Y | Y | Y | Y | Y |
| PAY CHANGES? | N | N | N | N | N | N | N | N |
| BETA WT.: | .000162 | .000162 | .000162 | .000162 | .000162 | .000162 | .000162 | .000162 |
| ENLOSS: | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| COLA ADJ7 | N | N | N | N | N | N | N | N |
| AVG. CPI: | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| --- 1: PRESENT VALUE GAP | | 2: YR PV MAX --- | | | | | | |
| CASE NO. | BASE | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| YEAR OF SERVICE | | | | | | | | |
| 2 | 47048 | -1055 | -3000 | -6706 | -3435 | -6268 | -6985 | -19716 |
| 3 | 52208 | -1225 | -4365 | -7504 | -10644 | -13784 | -16168 | -22063 |
| 4 | 57208 | -1351 | -4814 | -8277 | -11740 | -15223 | -18667 | -24335 |
| 5 | 61573 | -1479 | -5271 | -9064 | -12858 | -16648 | -20440 | -26647 |
| 6 | 65611 | -1612 | -5746 | -9879 | -14613 | -18146 | -22270 | -29845 |
| 7 | 69321 | -1753 | -6246 | -10739 | -16232 | -19725 | -24218 | -31972 |
| 8 | 73130 | -1898 | -6784 | -11638 | -16496 | -21362 | -26228 | -34192 |
| 9 | 77085 | -2050 | -7395 | -12660 | -17618 | -23071 | -28326 | -37306 |
| 10 | 79194 | -2212 | -7882 | -13553 | -19223 | -24893 | -30564 | -39668 |
| 11 | 81637 | -2387 | -8505 | -14623 | -20742 | -26860 | -32978 | -42993 |
| 12 | 84593 | -2568 | -9151 | -15735 | -22316 | -28961 | -35485 | -46268 |
| 13 | 88283 | -2763 | -9847 | -16931 | -24014 | -31098 | -38182 | -49776 |
| 14 | 92044 | -2971 | -10586 | -18260 | -25815 | -33430 | -41045 | -53599 |
| 15 | 96149 | -3193 | -11379 | -19565 | -27752 | -35936 | -44124 | -57523 |
| 16 | 99923 | -3427 | -12218 | -20994 | -29777 | -38561 | -47345 | -61722 |
| 17 | 105023 | -3688 | -13114 | -22547 | -31981 | -41415 | -50840 | -66280 |
| 18 | 110615 | -3949 | -14071 | -24193 | -34316 | -44438 | -54568 | -71128 |
| 19 | 116847 | -4237 | -15098 | -25959 | -36821 | -47682 | -58543 | -76321 |
| 20 | 123155 | -4540 | -16289 | -27854 | -39508 | -51162 | -62817 | -81892 |
| 21 | 12536 | -297 | -1384 | -2311 | -3317 | -4324 | -5331 | 29479 |

Table I-52 (Con't)
USMC Present Value Gap

| FILE: ME16 | PTGAPM | A1 | VM/SP CONVERSATIONAL MONITOR SYSTEM | | | | | | |
|------------|--------|--------|-------------------------------------|--------|--------|--------|--------|-------|--|
| 22 | 17381 | -6925 | -7785 | -8646 | -9587 | -10368 | -11229 | 2529 | |
| 22 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |
| 23 | 19438 | -5228 | -6338 | -7452 | -8508 | -9683 | -10799 | 2432 | |
| 23 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |
| 24 | 13022 | 528 | -578 | -1672 | -2768 | -3864 | -4960 | 2971 | |
| 24 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |
| 25 | 13136 | 2892 | 1669 | 446 | -777 | -2008 | -3223 | 2982 | |
| 25 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |
| 26 | 20978 | -16849 | -17763 | -18677 | -19591 | -20506 | -21420 | 1208 | |
| 26 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |
| 27 | 31816 | -11289 | -12712 | -14135 | -15558 | -16981 | -18404 | -2551 | |
| 27 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |
| 28 | 11532 | 7658 | 8342 | 8633 | 3725 | 2416 | 1109 | -5435 | |
| 28 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |
| 29 | 18616 | 7253 | 6859 | 4865 | 3672 | 2478 | 1284 | -468 | |
| 29 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |
| 30 | 9867 | 168 | -275 | -718 | -1145 | -1579 | -2014 | -418 | |
| 30 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |
| 31 | 2214 | 0 | 344 | 689 | 1033 | 1377 | 1721 | 2258 | |
| 31 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |
| 32 | 2003 | 0 | 352 | 703 | 1055 | 1407 | 1758 | 1844 | |
| 32 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |
| 33 | 1913 | 0 | 356 | 711 | 1067 | 1422 | 1778 | 1495 | |
| 33 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |
| 34 | 2167 | 0 | 352 | 716 | 1075 | 1433 | 1791 | 987 | |
| 34 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |
| 35 | 2275 | 0 | 366 | 719 | 1079 | 1438 | 1798 | 359 | |
| 35 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |

Table I-53
USMC High-3 Force Grade Table

FILE: M1010 H13M A1 VM/SP COMBINATION MONITOR SYSTEM PAGE 001

ACOL OUTPUT DATE OF RUN: 11/21/63 17:15:59 BASE YEAR: SKYR YKAN AVG.
SERVICE: MLINE COMPS INLISTED PFM 10 * * AGGREGATE * *

| USMC ACOL | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | TOTAL | LOSSES | LOSS | RTM | COST |
|-----------|----|----|-------|-------|-------|-------|-------|------|------|--------|--------|-------|------|-------|
| LOS | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1 | 0 | 0 | 39165 | 0 | 0 | 0 | 0 | 0 | 0 | 39165 | 5312 | 136 | .864 | 1.000 |
| 2 | 0 | 0 | 26426 | 5445 | 0 | 0 | 0 | 0 | 0 | 31871 | 5526 | 163 | .837 | .864 |
| 3 | 0 | 0 | 13466 | 15241 | 0 | 0 | 0 | 0 | 0 | 28707 | 6192 | .289 | .711 | .723 |
| 4 | 0 | 0 | 6342 | 13021 | 0 | 0 | 0 | 0 | 0 | 19363 | 12247 | .068 | .392 | .514 |
| 5 | 0 | 0 | 2289 | 2797 | 2882 | 0 | 0 | 0 | 0 | 7668 | 1789 | .227 | .773 | .291 |
| 6 | 0 | 0 | 1176 | 159 | 4764 | 0 | 0 | 0 | 0 | 6499 | 1132 | .186 | .814 | .156 |
| 7 | 0 | 0 | 619 | 68 | 4889 | 0 | 0 | 0 | 0 | 4968 | 981 | .181 | .819 | .127 |
| 8 | 0 | 0 | 636 | 39 | 2334 | 1858 | 0 | 0 | 0 | 4367 | 664 | .163 | .837 | .184 |
| 9 | 0 | 0 | 0 | 48 | 787 | 2576 | 6 | 0 | 0 | 3423 | 542 | .155 | .841 | .687 |
| 10 | 0 | 0 | 0 | 0 | 144 | 2717 | 0 | 0 | 0 | 2861 | 412 | .144 | .856 | .873 |
| 11 | 0 | 0 | 0 | 0 | 25 | 2424 | 0 | 0 | 0 | 2458 | 289 | .085 | .915 | .863 |
| 12 | 0 | 0 | 0 | 0 | 0 | 684 | 487 | 0 | 0 | 2248 | 177 | .079 | .921 | .857 |
| 13 | 0 | 0 | 0 | 0 | 0 | 172 | 1728 | 0 | 0 | 2863 | 113 | .055 | .943 | .853 |
| 14 | 0 | 0 | 0 | 0 | 0 | 0 | 1858 | 0 | 0 | 1939 | 92 | .047 | .953 | .858 |
| 15 | 0 | 0 | 0 | 0 | 0 | 0 | 1795 | 0 | 0 | 1858 | 62 | .033 | .967 | .847 |
| 16 | 0 | 0 | 0 | 0 | 0 | 0 | 1555 | 186 | 0 | 1796 | 54 | .038 | .978 | .846 |
| 17 | 0 | 0 | 0 | 0 | 0 | 0 | 1171 | 551 | 0 | 1721 | 21 | .012 | .988 | .844 |
| 18 | 0 | 0 | 0 | 0 | 0 | 0 | 786 | 1800 | 0 | 1706 | 16 | .009 | .991 | .844 |
| 19 | 0 | 0 | 0 | 0 | 0 | 0 | 234 | 1411 | 0 | 1645 | 61 | .036 | .964 | .844 |
| 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 867 | 0 | 867 | 758 | .461 | .539 | .842 |
| 21 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 575 | 17 | 592 | 249 | .281 | .719 | .823 |
| 22 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 251 | 63 | 314 | 303 | .475 | .525 | .818 |
| 23 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 128 | 64 | 335 | 78 | .288 | .712 | .819 |
| 24 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 63 | 137 | 265 | 35 | .134 | .866 | .867 |
| 25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 23 | 164 | 238 | 46 | .195 | .801 | .866 |
| 26 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 161 | 184 | 38 | .164 | .836 | .865 |
| 27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 151 | 154 | 11 | .074 | .926 | .864 |
| 28 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 142 | 142 | 11 | .076 | .924 | .864 |
| 29 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 132 | 132 | 27 | .203 | .797 | .883 |
| 30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 105 | 105 | 66 | .633 | .367 | .883 |
| 31 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 59 | 59 | 24 | .633 | .367 | .881 |
| 32 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14 | 14 | 5 | .633 | .367 | .880 |
| 33 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 5 | 3 | .633 | .367 | .880 |
| 34 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 1 | .633 | .367 | .880 |
| 35 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | .633 | .367 | .880 |
| TOTAL | 0 | 0 | 91881 | 36882 | 15757 | 11585 | 12944 | 5863 | 1216 | 173069 | 39165 | 1.608 | .741 | 4.419 |
| PERCENT | 0 | 0 | 53 | 21 | 9 | 7 | 6 | 3 | 1 | 100 | 0 | 0 | 0 | 0 |
| CNTLINE | 47 | 47 | 47 | 22 | 16 | 8 | 5 | 2 | 1 | 0 | 0 | 0 | 0 | 0 |

FILE: P11053 SECTION: A1 VM/SP CONVERSIONAL PCMONITOR SYSTEM

I-94

Table I-55
USMC Cost Summary

FILE: COST10MK COSTM A1

VM/SP CONVENTIONAL MONITOR SYSTEM

ACQI OUTPUT DATE OF RUN: 11/21/83 17:15:39 BASE YEAR: SEVEN YEAR AVG.
SERVICE: MARINE CORPS UNLISTED MEN 10 ** AGGREGATE **

CURRENT
YR VESTED: 20 20 20 20 20 20 20 20
ANNUITY AGE: 38 38 38 38 38 38 38 38
MULTIPLIER: .025 .025 .025 .025 .025 .025 .025 .025
DECREMENTED? Y Y Y Y Y Y Y
PAY CHANGES? N N N N N N N
BETA WT.: .000162 .000162 .000162 .000162 .000162 .000162 .000162 .000162
ENLDS: .000 .000 .000 .000 .000 .000 .000 .000
COLA ADJ: N N N N N N N
AVG. CPI: .000 .000 .000 .000 .000 .000 .000 .000

--- SUMMARY TABLE : MILITARY PAY (MIL'S) FOR YEAR B1 ---
CASE NO. : BASE 1 2 3 4 5 6 7
YEAR OF SERVICE
1 - 4 YEARS 1533.22 1547.49 1566.86 1624.16 1650.33 1692.39 1722.98 1810.66
5 - 10 YEARS 526.92 524.81 513.35 502.14 490.58 478.57 466.46 429.51
11 - 20 YEARS 476.45 461.82 419.82 377.86 336.93 297.51 268.32 145.65
21 - 30 YEARS 181.17 98.83 65.89 46.82 32.61 22.20 14.75 2.27
MORE THAN 30 Y 1.78 2.83 1.28 .76 .41 .21 .10 .00
== TOTAL == 2639.54 2625.17 2586.79 2551.73 2519.78 2498.79 2464.68 2387.51

--- SUMMARY TABLE : RETIREMENT (MIL'S) FOR YEAR B1 ---
CASE NO. : BASE 1 2 3 4 5 6 7
YEAR OF SERVICE
BASE PAY 1678.55 1668.17 1648.81 1618.19 1594.88 1574.28 1556.63 1585.94
BAS 284.32 284.32 284.32 284.32 284.32 284.32 284.32 284.32
VHA 231.23 230.23 227.41 224.72 222.18 219.79 217.56 218.53
BAQ 397.79 395.75 398.31 385.28 380.64 376.49 372.84 361.93
S+I 47.85 46.89 43.85 41.22 38.56 36.80 33.56 25.78
IMAS BONUS .00 .00 .00 .00 .00 .00 .00 .00
== TOTAL == 2639.54 2625.17 2586.79 2551.73 2519.78 2498.79 2464.68 2387.51

--- SUMMARY TABLE : RETIREMENT (MIL'S) FOR YEAR B1 ---
CASE NO. : BASE 1 2 3 4 5 6 7
YEAR OF SERVICE
1 - 4 YEARS 31.85 30.83 28.72 28.36 23.77 20.94 17.91 .00
5 - 10 YEARS 19.66 19.33 17.81 16.15 14.37 12.58 10.54 .00
11 - 20 YEARS 238.86 219.39 192.87 182.81 132.82 103.24 70.97 .00
21 - 30 YEARS 352.50 318.86 231.82 184.44 112.81 72.37 44.11 .00
MORE THAN 30 Y 15.71 17.81 9.25 5.11 2.39 1.81 .38 .00
== TOTAL == 647.78 598.32 479.57 374.86 285.16 218.86 148.99 .00

TAX ADV (MIL'S) : 181.28 180.33 177.87 175.07 173.78 171.95 170.49 185.9

--> --> --> --> TOTAL COST (MIL'S) FOR YEAR B1
MILITARY 2639.54 2625.17 2586.79 2551.73 2519.78 2498.79 2464.68 2387.51
RETIREMENT 647.78 598.32 479.57 374.86 285.16 218.86 148.99 .00
DEATH BEN. .46 .65 .44 .43 .41 .41 .46 .38
== TOTAL = 3287.78 3223.94 3066.86 2927.82 2805.35 2711.26 2613.91 2387.89

Table I-56
Air Force Enlisted Military Versus Civilian Income Streams

| * * * * * INCOME STREAMS: MILITARY PAY * * * * * | | | | | | | | | | | |
|--|-------------|-------|-------|--------|-------|-------|-------|--------|---------|---------|--|
| SCENARIO NO. 0 | 0 : PAFKASE | | | | | | | | | | |
| AGE (LOS) | BASE | BAS | VNA | BAQ | SIPAT | TAXES | BONUS | MILPAY | ANNUITY | CIVV | |
| 18 1 | 7711 | 1643 | 268 | 1887 | 15 | 871 | 0 | 12395 | 0 | 12478 | |
| 19 2 | 7728 | 1643 | 268 | 1937 | 32 | 878 | 0 | 12484 | 0 | 13197 | |
| 20 3 | 8412 | 1643 | 268 | 2188 | 49 | 943 | 0 | 13581 | 0 | 13934 | |
| 21 4 | 9288 | 1643 | 283 | 2398 | 228 | 1011 | 0 | 14781 | 0 | 14885 | |
| 22 5 | 12125 | 1643 | 319 | 2688 | 761 | 1073 | 0 | 16582 | 0 | 15448 | |
| 23 6 | 18238 | 1643 | 335 | 2883 | 848 | 1098 | 0 | 18785 | 0 | 16223 | |
| 24 7 | 18938 | 1643 | 347 | 2882 | 857 | 1117 | 0 | 17585 | 0 | 17885 | |
| 25 8 | 11184 | 1643 | 363 | 2953 | 489 | 1143 | 0 | 17895 | 0 | 17782 | |
| 26 9 | 11688 | 1643 | 388 | 3832 | 598 | 1178 | 0 | 18589 | 0 | 18581 | |
| 27 10 | 11896 | 1643 | 397 | 3188 | 657 | 1198 | 0 | 18988 | 0 | 19378 | |
| 28 11 | 12497 | 1643 | 489 | 3185 | 648 | 1217 | 0 | 19571 | 0 | 20158 | |
| 29 12 | 12882 | 1643 | 426 | 3218 | 483 | 1247 | 0 | 19828 | 0 | 20935 | |
| 30 13 | 13484 | 1643 | 448 | 3268 | 451 | 1283 | 0 | 20584 | 0 | 21785 | |
| 31 14 | 13785 | 1643 | 478 | 3339 | 252 | 1323 | 0 | 20782 | 0 | 22462 | |
| 32 15 | 14472 | 1643 | 493 | 3481 | 248 | 1363 | 0 | 21628 | 0 | 23283 | |
| 33 16 | 14774 | 1643 | 516 | 3457 | 193 | 1483 | 0 | 21987 | 0 | 23925 | |
| 34 17 | 15587 | 1643 | 538 | 3496 | 194 | 1447 | 0 | 22825 | 0 | 24625 | |
| 35 18 | 15888 | 1643 | 557 | 3548 | 181 | 1492 | 0 | 23229 | 0 | 25289 | |
| 36 19 | 16488 | 1643 | 574 | 3681 | 164 | 1535 | 0 | 23978 | 0 | 25944 | |
| 37 20 | 16715 | 1643 | 585 | 3843 | 188 | 1575 | 0 | 24322 | 8357 | 26588 | |
| 38 21 | 17585 | 1643 | 612 | 3758 | 158 | 1678 | 0 | 25432 | 9237 | 27134 | |
| 39 22 | 18188 | 1643 | 628 | 3832 | 149 | 1773 | 0 | 28285 | 9999 | 27674 | |
| 40 23 | 19925 | 1643 | 648 | 3842 | 172 | 1889 | 0 | 28217 | 11457 | 28173 | |
| 41 24 | 20788 | 1643 | 684 | 4818 | 181 | 2023 | 0 | 29282 | 12488 | 28829 | |
| 42 25 | 21257 | 1643 | 689 | 4887 | 138 | 2128 | 0 | 29912 | 13228 | 29839 | |
| 43 26 | 21581 | 1643 | 671 | 4135 | 186 | 2179 | 0 | 38345 | 14888 | 29481 | |
| 44 27 | 24888 | 1643 | 683 | 4258 | 124 | 2344 | 0 | 33746 | 18878 | 29714 | |
| 45 28 | 25885 | 1643 | 688 | 4298 | 188 | 2418 | 0 | 34282 | 17539 | 29978 | |
| 46 29 | 25488 | 1643 | 689 | 4355 | 184 | 2507 | 0 | 34844 | 18477 | 30184 | |
| 47 30 | 25588 | 1643 | 689 | 4389 | 254 | 2523 | 0 | 35838 | 19178 | 30338 | |
| 48 31 | 25588 | 1643 | 689 | 4351 | 254 | 2523 | 0 | 35828 | 19178 | 30438 | |
| 49 32 | 25588 | 1643 | 689 | 4488 | 254 | 2523 | 0 | 35876 | 19178 | 30482 | |
| 50 33 | 25588 | 1643 | 689 | 4424 | 254 | 2523 | 0 | 35893 | 19178 | 30471 | |
| 51 34 | 25588 | 1643 | 689 | 4424 | 254 | 2523 | 0 | 35893 | 19178 | 30485 | |
| 52 35 | 25588 | 1643 | 689 | 4424 | 254 | 2523 | 0 | 35893 | 19178 | 30483 | |
| 53 36 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 19178 | 30188 | |
| 54 37 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 19178 | 29877 | |
| 55 38 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 19178 | 29585 | |
| 56 39 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 19178 | 29282 | |
| 57 40 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 19178 | 28888 | |
| 58 41 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 19178 | 28481 | |
| 59 42 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 19178 | 27978 | |
| 60 43 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 19178 | 27462 | |
| 61 44 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 19178 | 26987 | |
| 62 45 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 19178 | 26314 | |
| 63 46 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 19178 | 25888 | |
| 64 47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 19178 | 25832 | |
| TOTALS: | 593885 | 57499 | 18321 | 123853 | 9963 | 58449 | 0 | 868378 | 476558 | 1171414 | |

Table I-57

Air Force Enlisted Military Versus Civilian Income Streams

FILE: ACOLMATE PAGE1F A1

VM/SP CONVERSATIONAL MONITOR SYSTEM

| ACOL OUTPUT | | DATE OF RUN: 11/21/83 | | 17:24:45 BASE YEAR: SEVEN YEAR AVG. | | | | |
|---------------------|---------|-----------------------|---------|-------------------------------------|---------|---------|---------|---------|
| SERVICE: AIR FORCE | | ENLISTED MEN | | 10 * * AGGREGATE * * | | | | |
| CURRENT | | | | | | | | |
| YR VESTED: | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| ANNUITY AGE: | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 |
| MULTIPLIER: | .025 | .025 | .025 | .025 | .025 | .025 | .025 | .025 |
| DECREMENTED? | Y | Y | Y | Y | Y | Y | Y | N |
| PAY CHANGES? | N | N | N | N | N | N | N | N |
| BETA WT.: | .000162 | .000162 | .000162 | .000162 | .000162 | .000162 | .000162 | .000162 |
| ENLOSS: | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| COLA ADJ? | N | N | N | N | N | N | N | N |
| AVG. CPI: | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| --- ACOL MATRIX --- | | | | | | | | |
| CASE NO.: | BASE | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| YEAR OF SERVICE | | | | | | | | |
| 2 | 2292 | 2149 | 1983 | 1658 | 1412 | 1167 | 921 | 112 |
| 3 | 2592 | 2431 | 2157 | 1888 | 1619 | 1349 | 1089 | 332 |
| 4 | 2888 | 2757 | 2432 | 2108 | 1813 | 1518 | 1223 | 580 |
| 5 | 3162 | 3066 | 2783 | 2348 | 1977 | 1655 | 1332 | 1132 |
| 6 | 3398 | 3294 | 2888 | 2482 | 2077 | 1784 | 1350 | 561 |
| 7 | 3734 | 3626 | 3171 | 2717 | 2262 | 1814 | 1427 | 581 |
| 8 | 4129 | 4007 | 3496 | 2984 | 2473 | 1961 | 1508 | -85 |
| 9 | 4681 | 4543 | 3955 | 3387 | 2898 | 2238 | 1663 | -72 |
| 10 | 5335 | 5179 | 4521 | 3863 | 3285 | 2547 | 1889 | -169 |
| 11 | 6183 | 6004 | 5258 | 4496 | 3742 | 2987 | 2233 | -142 |
| 12 | 7244 | 7037 | 6164 | 5292 | 4428 | 3547 | 2675 | -182 |
| 13 | 8781 | 8459 | 7438 | 6417 | 5396 | 4375 | 3354 | 7 |
| 14 | 10550 | 10262 | 9049 | 7835 | 6622 | 5489 | 4196 | 112 |
| 15 | 13146 | 12797 | 11326 | 9855 | 8384 | 6913 | 5443 | 288 |
| 16 | 16769 | 16334 | 14582 | 12669 | 10837 | 9064 | 7171 | 459 |
| 17 | 22335 | 21771 | 19393 | 17015 | 14637 | 12268 | 9882 | 695 |
| 18 | 31583 | 30882 | 27513 | 24224 | 20935 | 17646 | 14357 | 946 |
| 19 | 50273 | 49058 | 43943 | 38827 | 33712 | 28596 | 23481 | 1259 |
| 20 | 106326 | 103880 | 93285 | 82688 | 71996 | 61392 | 50787 | 1684 |
| 21 | 8781 | 8676 | 8838 | 8888 | 8888 | 8888 | 8888 | 8888 |
| 22 | 7699 | 7608 | 7608 | 7608 | 7608 | 7608 | 7608 | 7608 |
| 23 | 17368 | 12271 | 11648 | 9825 | 8683 | 7388 | 6157 | 2930 |
| 24 | 11572 | 12288 | 11658 | 10436 | 9215 | 7993 | 6772 | 3295 |
| 25 | 9511 | 13385 | 12134 | 10883 | 9632 | 8381 | 7129 | 3647 |
| 26 | 14673 | 9565 | 8783 | 7841 | 6979 | 6117 | 5447 | 4844 |
| 27 | 34187 | 19868 | 17584 | 16031 | 14557 | 13053 | 11558 | 1526 |
| 28 | 12895 | 19239 | 17743 | 16248 | 14753 | 13258 | 11762 | 4682 |
| 29 | 12928 | 20289 | 18654 | 17099 | 15544 | 13989 | 12434 | 4679 |
| 30 | 9528 | 11315 | 10653 | 9992 | 9339 | 8689 | 8037 | 4780 |
| 31 | 1148 | 2687 | 2884 | 3082 | 3189 | 3397 | 3594 | 4652 |
| 32 | 1877 | 1289 | 1619 | 1958 | 2288 | 2611 | 2941 | 4673 |
| 33 | 1866 | 1866 | 1421 | 1777 | 2133 | 2488 | 2844 | 4783 |
| 34 | 1186 | 1186 | 1404 | 1823 | 2181 | 2539 | 2897 | 4747 |
| 35 | 1214 | 1214 | 1574 | 1933 | 2293 | 2653 | 3012 | 4818 |

Table I-58
Air Force Enlisted Pay Component of ACOL

FILE: ACOLMATT PAGE2F A1

VM/SP CONVERSATIONAL MONITOR SYSTEM

ACOL OUTPUT DATE OF RUN: 11/21/83 17:24:45 BASE YEAR: SEVEN YEAR AVG.
SERVICE: AIR FORCE ENLISTED MEN 18 * * AGGREGATE * *
CURRENT
YR VESTED: 20 20 20 20 20 20 20 20
ANNUITY AGE: 30 30 30 30 30 30 30 30
MULTIPLIER: .025 .025 .025 .025 .025 .025 .025 .025
DECREMENTED? Y Y Y Y Y Y Y Y
PAY CHANGES? N N N N N N N N
BETA WT.: .000162 .000162 .000162 .000162 .000162 .000162 .000162 .000162
ENLOSS: .000 .000 .000 .000 .000 .000 .000 .000
COLA ADJ? N N N N N N N N
AVG. CPI: .000 .000 .000 .000 .000 .000 .000 .000
--- ACOL PAY COMPONENT ---
CASE NO. 1 2 3 4 5 6 7
YEAR OF SERVICE
2 -423 -387 -387 -387 -387 -387 -387 112
3 -394 -401 -267 -267 -267 -267 -267 332
4 -398 -498 -498 -252 -252 -252 -252 588
5 -436 -564 -564 -282 -282 -282 -282 1132
6 -763 -763 -763 -763 -416 -416 -416 561
7 -921 -921 -921 -921 -526 -526 -526 581
8 -1189 -1189 -1189 -1189 -618 -618 -618 -85
9 -1241 -1241 -1241 -1241 -659 -659 -659 -72
10 -1481 -1481 -1481 -1481 -1481 -1481 -1481 -169
11 -1538 -1538 -1538 -1538 -1538 -1538 -1538 -142
12 -1687 -1687 -1687 -1687 -1687 -1687 -1687 -182
13 -1752 -1752 -1752 -1752 -1752 -1752 -1752 7
14 -1871 -1871 -1871 -1871 -1871 -1871 -1871 112
15 -1911 -1911 -1911 -1911 -1911 -1911 -1911 288
16 -1992 -1992 -1992 -1992 -1992 -1992 -1992 459
17 -2087 -2087 -2087 -2087 -2087 -2087 -2087 695
18 -2087 -2087 -2087 -2087 -2087 -2087 -2087 946
19 -2096 -2096 -2096 -2096 -2096 -2096 -2096 1259
20 -2235 -2235 -2235 -2235 -2235 -2235 -2235 1684
21 -1782 -1782 -1782 -1782 -1782 -1782 -1782 2928
22 -739 -1469 -1469 -1469 -1469 -1469 -1469 2458
23 44 44 44 44 44 44 44 2938
24 663 663 663 663 663 663 663 3295
25 873 873 873 873 873 873 873 3647
26 2436 944 944 944 944 944 2436 4844
27 4832 4832 4832 4832 4832 4832 4832 4528
28 4286 4286 4286 4286 4286 4286 4286 4682
29 4668 4668 4668 4668 4668 4668 4668 4670
30 4788 4788 4788 4788 4788 4788 4788 4788
31 4582 4582 4582 4582 4582 4582 4582 4652
32 4594 4594 4594 4594 4594 4594 4594 4673
33 4622 4622 4622 4622 4622 4622 4622 4783
34 4689 4689 4689 4689 4689 4689 4689 4747
35 4818 4818 4818 4818 4818 4818 4818 4818

Table I-59
Air Force Enlisted Retirement Component of ACOL

FILE: ACOLMATE PAGE3F A1

VM/SP CONVERSATIONAL MONITOR SYSTEM

ACOL OUTPUT DATE OF RUN: 11/21/83 17:24:45 BASE YEAR: SEVEN YEAR AVG.
SERVICE: AIR FORCE ENLISTED MEN 10 * * AGGREGATE * *
CURRENT
YR VESTED: 20 20 20 20 20 20 20 20
ANNUITY AGE: 38 38 38 38 38 38 38 38
MULTIPLIER: .025 .025 .025 .025 .025 .025 .025 .025
DECREMENTED? Y Y Y Y Y Y Y N
PAY CHANGES? N N N N N N N N
BETA WT.: .000162 .000162 .000162 .000162 .000162 .000162 .000162 .000162
ENLOSS: .000 .000 .000 .000 .000 .000 .000 .000
COLA ADJ? N N N N N N N N
AVG. CFI: .000 .000 .000 .000 .000 .000 .000 .000
--- ACOL RETIREMENT COMPONENT ---
CASE NO. : BASE 1 2 3 4 5 6 7
YEAR OF SERVICE
2 2715 2456 2210 1964 1710 1473 1228 0
3 2965 2922 2425 2155 1806 1616 1347 0
4 3278 3255 2029 2360 2065 1770 1475 0
5 3597 3630 3207 2904 2260 1937 1614 0
6 4153 4056 3651 3245 2840 2119 1766 0
7 4655 4547 4092 3637 3183 2320 1933 0
8 5237 5116 4604 4093 3581 3069 2118 0
9 5021 5784 5206 4627 4249 3472 2322 0
10 6736 6580 5922 5264 4606 3948 3290 0
11 7721 7542 6788 6033 5279 4925 3771 0
12 8931 8724 7851 6979 6106 5234 4382 0
13 10453 10210 9189 8168 7147 6126 5105 0
14 12420 12132 10916 9706 8493 7279 6066 0
15 15057 14708 13237 11766 10295 8825 7354 0
16 18761 18326 16493 14861 12828 10996 9163 0
17 24343 23778 21400 19023 16645 14267 11889 0
18 33660 32889 29600 26311 23022 19733 16444 0
19 52369 51155 46039 40924 35808 30893 25577 0
20 108551 106044 95439 84835 74231 63626 53022 0
21 10403 8378 7540 6703 5865 5027 4189 0
22 8438 8476 7629 6781 5933 5086 4203 0
23 17316 12227 11004 9781 8559 7336 6113 0
24 10908 12216 10995 9773 8551 7330 6108 0
25 8637 12512 11261 10010 8758 7507 6256 0
26 12237 8621 7756 6897 6035 5173 3911 0
27 30075 15036 13532 12029 10525 9021 7518 0
28 7800 14952 13457 11962 10467 8971 7476 0
29 8268 15549 13994 12439 10984 9329 7774 0
30 4820 6615 5953 5292 4630 3969 3307 0
31 -3443 -1975 -1778 -1580 -1383 -1185 -988 0
32 -3517 -3306 -2975 -2644 -2314 -1983 -1653 0
33 -3556 -3556 -3200 -2845 -2489 -2134 -1778 0
34 -3582 -3582 -3224 -2806 -2508 -2149 -1791 0
35 -3596 -3596 -3237 -2877 -2517 -2158 -1798 0

Table I-60
Air Force Enlisted Force Structures

FILE: ACOLMATE PAGE4F A1 VM/SP CONVERSATIONAL MONITOR SYSTEM

ACOL OUTPUT DATE OF RUN: 11/21/83 17:24:45 BASE YEAR: SEVEN YEAR AVG.
SERVICE: AIR FORCE ENLISTED MEN 10 * * AGGREGATE * *
CURRENT
IR VESTED: 20 20 20 20 20 20 20 20
ANNUITY AGE: 38 38 38 38 38 38 38 38
MULTIPLIER: .025 .025 .025 .025 .025 .025 .025 .025
DECREMENTED? Y Y Y Y Y Y Y Y
PAY CHANGES? N N N N N N N N
BETA WT.: .000162 .000162 .000162 .000162 .000162 .000162 .000162 .000162
ENLOSS: .000 .000 .000 .000 .000 .000 .000 .000
COLA ADJ? N N N N N N N N
AVG. CPI: .000 .000 .000 .000 .000 .000 .000 .000

--- FORCE TABLE ---
CASE NO. 1 BASE 1 2 3 4 5 6 7
YEAR OF SERVICE
1 70047 71028 72834 74562 76310 77931 79495 83288
2 62050 62933 64534 66091 67613 69049 70435 73702
3 55012 55822 57241 58622 59972 61245 62474 65452
4 48011 48729 49966 51171 52347 53457 54529 57124
5 25485 25775 26031 26259 26466 26675 26860 27018
6 21846 22077 22224 22347 22458 22562 22656 23407
7 18729 18909 18956 18982 18992 19018 19025 19514
8 16414 16556 16519 16463 16393 16330 16274 16447
9 14186 14284 14145 13990 13822 13661 13567 13327
10 13135 13215 13037 12843 12637 12438 12247 11926
11 12426 12495 12209 12068 11836 11610 11391 10966
12 11748 11801 11553 11288 11011 10737 10469 9856
13 11221 11259 10962 10645 10310 9975 9640 8756
14 10965 10998 10687 10354 10002 9642 9292 8321
15 10766 10816 10499 10158 9798 9432 9065 8033
16 10639 10665 10338 9983 9605 9217 8823 7642
17 10524 10545 10194 9806 9382 8932 8455 6690
18 10459 10479 10128 9739 9312 8850 8368 6472
19 10408 10428 10079 9691 9266 8811 8324 6367
20 10358 10379 10031 9645 9221 8769 8284 6160
21 5689 5054 4546 4049 3570 3118 2693 1903
22 4070 3378 2896 2449 2041 1678 1363 934
23 3039 1897 1484 1134 846 616 440 286
24 2094 1390 1027 735 500 341 222 75
25 1683 1230 886 615 411 264 163 46
26 1439 886 612 406 258 157 93 24
27 807 487 299 174 96 49 25 2
28 559 427 254 142 74 36 17 1
29 314 344 194 102 49 22 9 0
30 216 257 141 72 33 14 6 0
31 55 77 43 22 11 5 2 0
32 14 20 12 6 3 1 1 0
33 4 5 3 2 1 0 0 0
34 1 1 0 0 0 0 0 0
35 0 0 0 0 0 0 0 0
TTL INDSTRENGTH 474646 474646 474646 474646 474646 474646 474646 474646
EXP. SERV. LIFE 7 7 7 6 6 6 6 6

Table I-61
Air Force Enlisted Reenlistment Rates

FILE: ACOMATE PAG15F A1

VM/SP CONVERSATIONAL MONITOR SYSTEM

ACOL OUTPUT DATE OF RUN: 11/21/83 17:24:45 BASE YEAR: SEVEN YEAR AVG.
SERVICE: AIR FORCE ENLISTED MEN 10 * * AGGREGATE * *
CURRENT
YR VESTED: 20 20 20 20 20 20 20 20
ANNUITY AGE: 38 38 38 38 38 38 38 38
MULTIPLIFR: .025 .025 .025 .025 .025 .025 .025 .025
DECREPENTED? Y Y Y Y Y Y Y Y
PAY CHANGES? N N N N N N N N
DATA WT.: .000162 .000162 .000162 .000162 .000162 .000162 .000162 .000162
INLOSS: .000 .000 .000 .000 .000 .000 .000 .000
COLA ADJ? N N N N N N N N
AVG. CPI: .000 .000 .000 .000 .000 .000 .000 .000
--- REENLISTMENT RATES ---
CASE NO. 1 BASE 1 2 3 4 5 6 7
YEAR OF SERVICE
1 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000
2 .108 .106 .102 .099 .095 .092 .088 .078
3 .075 .073 .070 .067 .065 .062 .059 .053
4 .448 .443 .430 .417 .405 .394 .382 .358
5 .311 .308 .296 .283 .272 .261 .251 .245
6 .437 .433 .417 .401 .385 .371 .358 .329
7 .458 .445 .427 .409 .392 .374 .360 .329
8 .556 .552 .531 .510 .496 .469 .451 .388
9 .604 .599 .576 .553 .538 .506 .483 .414
10 .648 .642 .617 .591 .565 .539 .512 .430
11 .721 .716 .690 .663 .636 .607 .577 .482
12 .820 .815 .792 .768 .742 .714 .684 .580
13 .898 .893 .876 .856 .835 .811 .784 .679
14 .903 .899 .879 .857 .831 .802 .769 .631
15 .932 .929 .911 .890 .864 .834 .798 .631
16 .964 .961 .940 .932 .910 .883 .848 .653
17 .985 .984 .976 .966 .950 .928 .898 .666
18 .997 .996 .994 .989 .981 .969 .948 .675
19 1.000 1.000 1.000 .999 .998 .995 .988 .686
20 1.000 1.000 1.000 1.000 1.000 1.000 1.000 .698
21 .569 .487 .453 .426 .387 .356 .325 .309
22 .693 .668 .637 .605 .572 .538 .506 .491
23 .745 .702 .653 .613 .572 .538 .506 .491
24 .669 .732 .692 .648 .602 .554 .504 .367
25 .804 .885 .863 .837 .807 .774 .736 .613
26 .855 .729 .691 .661 .629 .596 .569 .513
27 .933 .549 .489 .428 .378 .315 .265 .184
28 .693 .878 .849 .818 .776 .732 .682 .482
29 .562 .866 .764 .716 .662 .603 .542 .252
30 .688 .747 .728 .704 .681 .658 .633 .503
31 .253 .301 .308 .314 .321 .328 .335 .375
32 .253 .260 .270 .281 .292 .303 .314 .378
33 .253 .253 .264 .276 .287 .299 .311 .379
34 .253 .253 .264 .276 .288 .300 .312 .380
35 .253 .253 .264 .276 .288 .300 .312 .378

Table I-62
Air Force Enlisted Continuation Rates

FILE: ACOLMATE PAGECF A1 VM/SP CONVERSATIONAL MONITOR SYSTEM

| ACOL OUTPUT | | DATE OF RUN: 11/21/83 | | | 17:24:45 PASE YEAR: SEVEN YEAR AVG. | | | |
|----------------------------|---------|-----------------------|---------|---------|-------------------------------------|---------|---------|---------|
| SERVICE: AIR FORCE | | ENLISTED MEN | | | 10 * * AGGREGATE * * | | | |
| CURRENT | | | | | | | | |
| YR VESTED: | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| ANNUITY AGE: | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 |
| MULTIPLIER: | .025 | .025 | .025 | .025 | .025 | .025 | .025 | .025 |
| DECREMENTED? | Y | Y | Y | Y | Y | Y | Y | N |
| PAY CHANGES? | N | N | N | N | N | N | N | N |
| BETA WT.1 | .000162 | .000162 | .000162 | .000162 | .000162 | .000162 | .000162 | .000162 |
| ENLOSS: | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| COLA ADJ? | N | N | N | N | N | N | N | N |
| AVG. CPI: | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| --- CONTINUATION RATES --- | | | | | | | | |
| CASE NO. | 1 | 2 | 3 | 4 | 5 | 6 | 7 | |
| YEAR OF SERVICE | | | | | | | | |
| 1 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 2 | .886 | .886 | .886 | .886 | .886 | .886 | .886 | .886 |
| 3 | .867 | .867 | .867 | .867 | .867 | .867 | .867 | .867 |
| 4 | .873 | .873 | .873 | .873 | .873 | .873 | .873 | .873 |
| 5 | .831 | .829 | .821 | .813 | .806 | .809 | .803 | .809 |
| 6 | .837 | .837 | .834 | .831 | .828 | .826 | .823 | .828 |
| 7 | .857 | .856 | .853 | .849 | .846 | .843 | .840 | .834 |
| 8 | .876 | .876 | .871 | .867 | .863 | .859 | .855 | .843 |
| 9 | .864 | .863 | .856 | .850 | .843 | .837 | .830 | .810 |
| 10 | .926 | .925 | .922 | .918 | .914 | .911 | .907 | .895 |
| 11 | .946 | .945 | .943 | .940 | .937 | .933 | .930 | .919 |
| 12 | .945 | .944 | .940 | .935 | .930 | .925 | .919 | .899 |
| 13 | .955 | .954 | .949 | .943 | .936 | .929 | .921 | .888 |
| 14 | .977 | .977 | .975 | .973 | .970 | .967 | .964 | .950 |
| 15 | .984 | .983 | .982 | .981 | .980 | .978 | .975 | .965 |
| 16 | .986 | .986 | .985 | .983 | .980 | .977 | .973 | .951 |
| 17 | .999 | .999 | .996 | .992 | .987 | .980 | .958 | .876 |
| 18 | .994 | .994 | .994 | .993 | .993 | .991 | .990 | .967 |
| 19 | .995 | .995 | .995 | .995 | .995 | .995 | .995 | .984 |
| 20 | .995 | .995 | .995 | .995 | .995 | .995 | .995 | .967 |
| 21 | .969 | .967 | .953 | .928 | .907 | .886 | .863 | .809 |
| 22 | .693 | .668 | .637 | .605 | .572 | .538 | .506 | .491 |
| 23 | .745 | .742 | .713 | .683 | .644 | .607 | .573 | .520 |
| 24 | .669 | .732 | .692 | .648 | .602 | .554 | .504 | .367 |
| 25 | .804 | .865 | .863 | .837 | .807 | .774 | .736 | .613 |
| 26 | .855 | .720 | .691 | .661 | .629 | .596 | .569 | .513 |
| 27 | .561 | .549 | .489 | .428 | .370 | .315 | .265 | .104 |
| 28 | .693 | .878 | .849 | .816 | .776 | .732 | .682 | .402 |
| 29 | .562 | .806 | .764 | .716 | .662 | .603 | .542 | .252 |
| 30 | .688 | .747 | .726 | .704 | .681 | .658 | .633 | .503 |
| 31 | .253 | .321 | .308 | .284 | .261 | .238 | .215 | .375 |
| 32 | .253 | .260 | .270 | .281 | .292 | .303 | .314 | .378 |
| 33 | .253 | .253 | .264 | .276 | .287 | .299 | .311 | .370 |
| 34 | .253 | .253 | .264 | .276 | .288 | .300 | .312 | .380 |
| 35 | .253 | .253 | .264 | .276 | .288 | .300 | .312 | .378 |

Table I-63
Air Force Enlisted Survival Rates

FILE: ACOLMATE PAGE7F A1

VM/SP CONVERSATIONAL MONITOR SYSTEM

| | | | | | | | | |
|------------------------|-----------------------|---------|---------|---------|-------------------------------------|---------|---------|---------|
| ACOL OUTPUT | DATE OF RUN: 11/21/83 | | | | 17:24:45 BASE YEAR: SEVEN YEAR AVG. | | | |
| SERVICE: AIR FORCE | ENLISTED MEN | | | | 1P * * AGGREGATE * * | | | |
| CURRENT | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| YR VESTED: | 38 | 38 | 38 | 38 | 36 | 38 | 38 | 38 |
| ANNUITY AGE: | .025 | .025 | .025 | .025 | .025 | .025 | .025 | .025 |
| MULTIPLIER: | Y | Y | Y | Y | Y | Y | Y | N |
| DECREMENTED? | N | N | N | N | N | N | N | N |
| PAY CHANGES? | .000162 | .000162 | .000162 | .000162 | .000162 | .000162 | .000162 | .000162 |
| BETA WT.: | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| ENLOSS: | N | N | N | N | N | N | N | N |
| COLA ADJ? | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| AVG. CPI: | | | | | | | | |
| *** SURVIVAL RATES *** | | | | | | | | |
| CASE NO. : BASE | 1 | 2 | 3 | 4 | 5 | 6 | 7 | |
| YEAR OF SERVICE | | | | | | | | |
| 1 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 2 | .886 | .886 | .886 | .886 | .886 | .886 | .886 | .886 |
| 3 | .785 | .786 | .786 | .786 | .786 | .786 | .786 | .786 |
| 4 | .685 | .686 | .686 | .686 | .686 | .686 | .686 | .686 |
| 5 | .364 | .363 | .357 | .352 | .347 | .342 | .338 | .335 |
| 6 | .312 | .311 | .305 | .300 | .294 | .290 | .285 | .281 |
| 7 | .267 | .266 | .260 | .254 | .249 | .244 | .239 | .234 |
| 8 | .234 | .233 | .227 | .221 | .215 | .210 | .205 | .197 |
| 9 | .203 | .201 | .194 | .188 | .181 | .175 | .170 | .160 |
| 10 | .188 | .186 | .179 | .172 | .166 | .160 | .154 | .143 |
| 11 | .177 | .176 | .169 | .162 | .155 | .149 | .143 | .132 |
| 12 | .168 | .166 | .159 | .151 | .144 | .138 | .132 | .118 |
| 13 | .160 | .159 | .151 | .143 | .135 | .128 | .121 | .105 |
| 14 | .157 | .155 | .147 | .139 | .131 | .124 | .117 | .100 |
| 15 | .154 | .152 | .144 | .136 | .128 | .121 | .114 | .096 |
| 16 | .152 | .150 | .142 | .134 | .126 | .118 | .111 | .092 |
| 17 | .150 | .148 | .140 | .131 | .123 | .115 | .106 | .080 |
| 18 | .149 | .148 | .139 | .131 | .122 | .114 | .105 | .078 |
| 19 | .149 | .147 | .138 | .130 | .121 | .113 | .105 | .076 |
| 20 | .148 | .146 | .138 | .129 | .121 | .113 | .104 | .074 |
| 21 | .084 | .071 | .062 | .054 | .047 | .040 | .034 | .023 |
| 22 | .058 | .048 | .040 | .033 | .027 | .022 | .017 | .011 |
| 23 | .043 | .027 | .020 | .015 | .011 | .008 | .006 | .002 |
| 24 | .039 | .020 | .014 | .010 | .007 | .004 | .003 | .001 |
| 25 | .024 | .017 | .012 | .008 | .005 | .003 | .002 | .001 |
| 26 | .021 | .012 | .008 | .005 | .003 | .002 | .001 | .000 |
| 27 | .012 | .007 | .004 | .002 | .001 | .001 | .000 | .000 |
| 28 | .008 | .006 | .003 | .002 | .001 | .000 | .000 | .000 |
| 29 | .004 | .005 | .003 | .001 | .000 | .000 | .000 | .000 |
| 30 | .003 | .004 | .002 | .001 | .000 | .000 | .000 | .000 |
| 31 | .001 | .001 | .001 | .000 | .000 | .000 | .000 | .000 |
| 32 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| 33 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| 34 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| 35 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |

Table I-64
USAF Present Value Gap

FILE: PR12 PVGAPP A1

VM/SP CONVERSATIONAL MONITOR SYSTEM

ACOL OUTPUT DATE OF RUN: 11/21/83 17:24:45 BASE YEAR: SEVEN YEAR AVG.
SERVICE: AIR FORCE ENLISTED MEN 10 * * AGGREGATE * *
CURRENT
YR VESTED: 20 20 20 20 20 20 20 20
ANNUITY AGE: 30 30 30 30 30 30 30 30
MULTIPLIER: .025 .025 .025 .025 .025 .025 .025 .025
DECREMENTED? Y Y Y Y Y Y Y Y
PAY CHANGES? N N N N N N N N
BETA WT: .000102 .000102 .000102 .000102 .000102 .000102 .000102 .000102
ENLOSS: .000 .000 .000 .000 .000 .000 .000 .000
COLA ADJ: N N N N N N N N
AVG. CPI: .000 .000 .000 .000 .000 .000 .000 .000
--- 1: PRESENT VALUE GAP 2: YR PV MAX ---
CASE NO. 1 BASE 1 2 3 4 5 6 7
YEAR OF SERVICE
2 35201 -1000 -3700 -0554 -0320 -12102 -14076 -24751
2 26 20 20 20 20 20 20
3 20007 -0317 -4230 -7534 -10438 -13542 -16546 -27096
3 20 10 27 27 27 27 27
4 32500 -0003 -0010 -0009 -11513 -14937 -18361 -31400
4 24 17 26 26 26 26 26
5 39571 -0422 -0073 -13323 -12007 -10356 -20105 -34430
5 23 10 16 16 16 16 16
6 31430 -0003 -4054 -0415 -12176 -11721 -15007 -3034
6 10 10 15 15 15 15 15
7 33070 -0071 -0002 -0147 -13235 -12740 -17102 -32005
7 14 14 14 14 14 14 14
8 35734 -1001 -0470 -0000 -14334 -10702 -10000 -30000
8 13 13 13 13 13 13 13
9 30097 -1130 -0017 -10000 -15401 -20203 -20007 -30700
9 12 12 12 12 12 12 12
10 41032 -1225 -0304 -11044 -10704 -21003 -27023 -43000
10 11 11 11 11 11 11 11
11 45044 -1322 -0000 -12450 -10023 -23001 -20100 -47300
11 10 10 10 10 10 10 10
12 40742 -1422 -7412 -13403 -10303 -25303 -31374 -50000
12 0 0 0 0 0 0 0
13 04020 -1530 -7070 -14421 -20007 -27313 -33700 -54042
13 0 0 0 0 0 0 0
14 00252 -1045 -0074 -15003 -22432 -20301 -30200 -50005
14 7 7 7 7 7 7 7
15 00077 -1700 -0217 -10000 -24114 -31003 -30012 -03377
15 6 6 6 6 6 6 6
16 73130 -1007 -0000 -17002 -20075 -33007 -41000 -00003
16 5 5 5 5 5 5 5
17 00030 -2030 -10022 -10200 -27700 -30373 -44007 -73035
17 4 4 4 4 4 4 4
18 00440 -2100 -11307 -20000 -20010 -30020 -40030 -70307
18 3 3 3 3 3 3 3
19 07125 -2340 -12220 -22112 -31005 -41070 -51701 -04000
19 2 2 2 2 2 2 2
20 100320 -2517 -13122 -23720 -34330 -44035 -55030 -00220
20 1 1 1 1 1 1 1
21 0701 -2025 -2002 -3700 -4530 -0370 -0214 10055
21 1 1 1 1 1 1 1

Table I-64 (Con't)
USAF Present Value Gap

| FILE: FZ10 | PVGAPF | A1 | VM/SP CONVERSATIONAL MONITOR SYSTEM | | | | | | |
|------------|--------|--------|-------------------------------------|--------|--------|--------|--------|-------|--|
| 22 | 14881 | -7873 | -8721 | -9569 | -10416 | -11264 | 3202 | 7993 | |
| 22 | 2 | 1 | 1 | 1 | 1 | 1 | 8 | 14 | |
| 23 | 17366 | -5090 | -6312 | -7535 | -8758 | -9980 | -11203 | 8735 | |
| 23 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 13 | |
| 24 | 11572 | 1309 | 86 | -1135 | -2357 | -3570 | -4800 | 16355 | |
| 24 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 12 | |
| 25 | 9511 | 3875 | 2624 | 1372 | 121 | -1130 | -2381 | 19002 | |
| 25 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 11 | |
| 26 | 28386 | -18920 | -19683 | -20545 | -21407 | -22269 | -17848 | 1951 | |
| 26 | 2 | 1 | 1 | 1 | 1 | 1 | 2 | 18 | |
| 27 | 34187 | -15039 | -16543 | -18040 | -19550 | -21053 | -22557 | -2657 | |
| 27 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 9 | |
| 28 | 12095 | 7144 | 5648 | 4153 | 2658 | 1163 | -333 | 17269 | |
| 28 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 8 | |
| 29 | 12928 | 7281 | 5726 | 4171 | 2618 | 1061 | -494 | -3880 | |
| 29 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | |
| 30 | 9520 | 1795 | 1133 | 472 | -190 | -851 | -1513 | -4820 | |
| 30 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |
| 31 | 1140 | 1407 | 1665 | 1862 | 2060 | 2257 | 2455 | 19270 | |
| 31 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 5 | |
| 32 | 1077 | 211 | 542 | 873 | 1203 | 1534 | 1864 | 15859 | |
| 32 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 4 | |
| 33 | 1006 | 6 | 356 | 711 | 1067 | 1422 | 1778 | 12140 | |
| 33 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 3 | |
| 34 | 1106 | 8 | 352 | 716 | 1075 | 1433 | 1791 | 8078 | |
| 34 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | |
| 35 | 1214 | 6 | 360 | 719 | 1079 | 1438 | 1798 | 3596 | |
| 35 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |

Table I-65
USAF High-3 Force Grade Table
WM/SP CONVERSATIONAL MONITOR SYSTEM

| FILE: FRI9PC | WISF | AI | DATE OF RUN: 11/22/83 | 18:15:15 BASE YEAR: SEVEN YEAR AVG. | 10 ** AGGREGATE ** |
|--------------------|---------|--------|-----------------------|-------------------------------------|--------------------|
| ACOL OUTPUT | | | ENLISTED MEN | | |
| SERVICE: AIR FORCE | | | | | |
| CHILDEN | | | | | |
| USAF10 ACOL | WIST-06 | AND-39 | MULT-025 | HI AVG-3 | DEC-1 |
| LOS | 1 | 2 | 3 | 4 | 5 |
| 1 | 0 | 0 | 0 | 0 | 0 |
| 2 | 0 | 0 | 0 | 0 | 0 |
| 3 | 0 | 0 | 0 | 0 | 0 |
| 4 | 0 | 0 | 0 | 0 | 0 |
| 5 | 0 | 0 | 0 | 0 | 0 |
| 6 | 0 | 0 | 0 | 0 | 0 |
| 7 | 0 | 0 | 0 | 0 | 0 |
| 8 | 0 | 0 | 0 | 0 | 0 |
| 9 | 0 | 0 | 0 | 0 | 0 |
| 10 | 0 | 0 | 0 | 0 | 0 |
| 11 | 0 | 0 | 0 | 0 | 0 |
| 12 | 0 | 0 | 0 | 0 | 0 |
| 13 | 0 | 0 | 0 | 0 | 0 |
| 14 | 0 | 0 | 0 | 0 | 0 |
| 15 | 0 | 0 | 0 | 0 | 0 |
| 16 | 0 | 0 | 0 | 0 | 0 |
| 17 | 0 | 0 | 0 | 0 | 0 |
| 18 | 0 | 0 | 0 | 0 | 0 |
| 19 | 0 | 0 | 0 | 0 | 0 |
| 20 | 0 | 0 | 0 | 0 | 0 |
| 21 | 0 | 0 | 0 | 0 | 0 |
| 22 | 0 | 0 | 0 | 0 | 0 |
| 23 | 0 | 0 | 0 | 0 | 0 |
| 24 | 0 | 0 | 0 | 0 | 0 |
| 25 | 0 | 0 | 0 | 0 | 0 |
| 26 | 0 | 0 | 0 | 0 | 0 |
| 27 | 0 | 0 | 0 | 0 | 0 |
| 28 | 0 | 0 | 0 | 0 | 0 |
| 29 | 0 | 0 | 0 | 0 | 0 |
| 30 | 0 | 0 | 0 | 0 | 0 |
| 31 | 0 | 0 | 0 | 0 | 0 |
| 32 | 0 | 0 | 0 | 0 | 0 |
| 33 | 0 | 0 | 0 | 0 | 0 |
| 34 | 0 | 0 | 0 | 0 | 0 |
| 35 | 0 | 0 | 0 | 0 | 0 |
| TOTAL | 0 | 0 | 0 | 0 | 0 |
| PERCENT | 0 | 0 | 0 | 0 | 0 |
| CHILLING | 36 | 36 | 36 | 36 | 36 |

FILE: FLETC - 30634 17 IN/SP CONVERSATIONAL MONITOR SYSTEM

[illegible]

Table I-67
USAF Cost Summary

FILE: COST107E COST7 A1 VM/SP CONVERSATIONAL MONITOR SYSTEM

ACOL OUTPUT DATE OF RUN: 11/22/83 10:15:15 BASE YEAR: SEVEN YEAR AVG.
SERVICE: AIR FORCE ENLISTED MEN 10 * * AGGREGATE * *

CURRENT

| | | | | | | | | |
|--------------|---------|---------|---------|---------|---------|---------|---------|---------|
| YR VESTED: | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| ANNUITY AGE: | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 |
| MULTIPLIER: | .025 | .025 | .025 | .025 | .025 | .025 | .025 | .025 |
| DECREMENTED? | Y | Y | Y | Y | Y | Y | Y | Y |
| PAY CHANGES? | N | N | N | N | N | N | N | N |
| BETA WT.: | .000162 | .000162 | .000162 | .000162 | .000162 | .000162 | .000162 | .000162 |
| ENLISE: | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| COLA ADJ? | N | N | N | N | N | N | N | N |
| AVG. CMT: | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |

--- SUMMARY TABLE 1 MILITARY PAY (MIL'S) FOR YEAR 81 ---

| | | | | | | | | |
|-----------------|---------|---------|---------|---------|---------|---------|---------|---------|
| CASE NO. | 1 | 2 | 3 | 4 | 5 | 6 | 7 | |
| YEAR OF SERVICE | | | | | | | | |
| 1 - 4 YEARS | 2878.48 | 2928.87 | 2994.36 | 3066.55 | 3137.13 | 3203.73 | 3268.82 | 3423.75 |
| 5 - 10 YEARS | 1795.18 | 1812.63 | 1813.40 | 1812.34 | 1809.63 | 1807.57 | 1805.16 | 1835.43 |
| 11 - 20 YEARS | 2232.99 | 2239.52 | 2175.35 | 2105.37 | 2030.11 | 1952.19 | 1871.51 | 1688.09 |
| 21 - 30 YEARS | 524.33 | 397.94 | 316.07 | 258.08 | 197.55 | 156.15 | 123.85 | 77.58 |
| MORE THAN 30 Y | 2.38 | 3.39 | 1.93 | 1.81 | .49 | .22 | .89 | .00 |
| -- TOTAL -- | 7434.29 | 7373.55 | 7381.14 | 7235.35 | 7174.98 | 7119.65 | 7068.63 | 6936.84 |

--- MILITARY PAY (MIL'S) FOR YEAR 81, BY SOURCE ---

| | | | | | | | | |
|-----------------|---------|---------|---------|---------|---------|---------|---------|---------|
| CASE NO. | 1 | 2 | 3 | 4 | 5 | 6 | 7 | |
| YEAR OF SERVICE | | | | | | | | |
| BASE PAY | 5186.16 | 5254.51 | 4995.95 | 4941.44 | 4892.54 | 4848.22 | 4807.14 | 4788.41 |
| BAS | 779.76 | 779.76 | 779.76 | 779.76 | 779.76 | 779.76 | 779.76 | 779.76 |
| VMA | 169.59 | 167.94 | 166.81 | 164.22 | 162.57 | 161.83 | 159.58 | 155.71 |
| PAQ | 1255.31 | 1247.58 | 1237.37 | 1227.83 | 1216.65 | 1210.54 | 1202.68 | 1182.59 |
| S+I | 123.47 | 123.75 | 122.95 | 122.16 | 121.19 | 120.32 | 119.46 | 118.46 |
| EMAS BONUS | .00 | .00 | .00 | .00 | .00 | .00 | .00 | .00 |
| --TOTAL-- | 7434.29 | 7373.55 | 7381.14 | 7235.35 | 7174.98 | 7119.65 | 7068.63 | 6936.84 |

--- SUMMARY TABLE 1 RETIREMENT (MIL'S) FOR YEAR 81 ---

| | | | | | | | | |
|-----------------|---------|---------|---------|---------|---------|---------|---------|-----|
| CASE NO. | 1 | 2 | 3 | 4 | 5 | 6 | 7 | |
| YEAR OF SERVICE | | | | | | | | |
| 1 - 4 YEARS | 13.26 | 13.14 | 12.18 | 11.13 | 10.01 | 8.79 | 7.58 | .00 |
| 5 - 10 YEARS | 15.84 | 14.94 | 13.94 | 12.83 | 11.59 | 10.25 | 8.79 | .00 |
| 11 - 20 YEARS | 1347.18 | 1568.32 | 1449.16 | 1317.58 | 1169.84 | 1008.86 | 838.39 | .00 |
| 21 - 30 YEARS | 2122.43 | 1684.73 | 1348.29 | 1055.78 | 806.85 | 596.92 | 426.26 | .00 |
| MORE THAN 30 Y | 26.82 | 36.75 | 18.53 | 8.54 | 3.57 | 1.34 | .46 | .00 |
| -- TOTAL -- | 3523.85 | 3389.68 | 2842.18 | 2465.77 | 2088.25 | 1625.37 | 1281.41 | .00 |

TAX ADV(MIL'S): 529.14 524.63 519.73 515.38 511.46 507.99 504.61 496.7

-> -> -> -> TOTAL COST (MIL'S) FOR YEAR 81

| | | | | | | | | |
|-------------|----------|----------|----------|---------|---------|---------|---------|---------|
| MILITARY | 7434.29 | 7373.55 | 7381.14 | 7235.35 | 7174.98 | 7119.65 | 7068.63 | 6936.84 |
| RETIREMENT | 3523.85 | 3389.68 | 2842.18 | 2465.77 | 2088.25 | 1625.37 | 1281.41 | .00 |
| DEATH BEN. | 1.49 | 1.48 | 1.43 | 1.48 | 1.37 | 1.36 | 1.33 | 1.29 |
| -- TOTAL -- | 10959.63 | 10764.81 | 10224.70 | 9702.60 | 9264.60 | 8746.38 | 8351.37 | 6938.13 |

Table I-68
Army Officer Military versus Civilian Income Streams

| ***** INCOME STREAMS: MILITARY PAY ***** | | | | | | | | | | | |
|---|-------|------|-----|-------|-------|--------|--------|---------|---------|--|--|
| SCENARIO NO. 8 : BASECASE | | | | | | | | | | | |
| AGE (LOS) | BAS | YEA | BAQ | SIPAY | TALES | XBONUS | MILPAY | ANNUITY | CIVV | | |
| 22 1 | 12679 | 1298 | 218 | 3355 | 1299 | 0 | 19856 | 0 | 22484 | | |
| 23 2 | 12877 | 1298 | 286 | 2935 | 1373 | 0 | 19884 | 0 | 23525 | | |
| 24 3 | 16125 | 1298 | 122 | 3731 | 1876 | 0 | 24251 | 0 | 24575 | | |
| 25 4 | 19305 | 1298 | 149 | 3854 | 2115 | 0 | 27954 | 0 | 25631 | | |
| 26 5 | 22665 | 1298 | 369 | 4348 | 2588 | 0 | 32292 | 0 | 26656 | | |
| 27 6 | 22288 | 1298 | 393 | 4436 | 2642 | 0 | 33134 | 0 | 27749 | | |
| 28 7 | 23247 | 1298 | 396 | 4495 | 2651 | 0 | 34311 | 0 | 28884 | | |
| 29 8 | 23264 | 1298 | 402 | 4533 | 2667 | 0 | 34795 | 0 | 29851 | | |
| 30 9 | 24124 | 1298 | 483 | 4558 | 2673 | 0 | 35071 | 0 | 30888 | | |
| 31 10 | 24164 | 1298 | 413 | 4596 | 2706 | 0 | 35195 | 0 | 31389 | | |
| 32 11 | 25919 | 1298 | 528 | 4795 | 2991 | 0 | 36947 | 0 | 32913 | | |
| 33 12 | 26436 | 1298 | 663 | 5824 | 3334 | 0 | 38653 | 0 | 33893 | | |
| 34 13 | 28837 | 1298 | 694 | 5111 | 3417 | 0 | 40872 | 0 | 34848 | | |
| 35 14 | 28142 | 1298 | 714 | 5163 | 3481 | 0 | 42213 | 0 | 35773 | | |
| 36 15 | 29536 | 1298 | 724 | 5192 | 3536 | 0 | 41974 | 0 | 36664 | | |
| 37 16 | 29745 | 1298 | 740 | 5271 | 3703 | 0 | 41817 | 0 | 37518 | | |
| 38 17 | 32760 | 1298 | 814 | 5587 | 4400 | 0 | 46876 | 0 | 38336 | | |
| 39 18 | 33182 | 1298 | 831 | 5698 | 4595 | 0 | 47469 | 0 | 39098 | | |
| 40 19 | 34999 | 1298 | 833 | 5783 | 4616 | 0 | 48777 | 0 | 39818 | | |
| 41 20 | 35129 | 1298 | 836 | 5734 | 4663 | 0 | 49236 | 17565 | 40487 | | |
| 42 21 | 37184 | 1298 | 842 | 5884 | 5050 | 0 | 51936 | 19522 | 41102 | | |
| 43 22 | 38040 | 1298 | 828 | 6016 | 5410 | 0 | 53168 | 20922 | 41668 | | |
| 44 23 | 40638 | 1298 | 816 | 6134 | 5698 | 0 | 55939 | 23367 | 42159 | | |
| 45 24 | 41295 | 1298 | 807 | 6208 | 5915 | 0 | 58658 | 24777 | 42596 | | |
| 46 25 | 41513 | 1298 | 804 | 6252 | 5987 | 0 | 57422 | 25945 | 42969 | | |
| 47 26 | 41683 | 1298 | 802 | 6269 | 6043 | 0 | 57353 | 27094 | 43277 | | |
| 48 27 | 44768 | 1298 | 801 | 6271 | 6071 | 0 | 60411 | 30218 | 43517 | | |
| 49 28 | 44969 | 1298 | 800 | 6272 | 6098 | 0 | 61872 | 31437 | 43690 | | |
| 50 29 | 46050 | 1298 | 790 | 6354 | 6322 | 0 | 61736 | 33415 | 43793 | | |
| 51 30 | 46188 | 1298 | 790 | 6355 | 6341 | 0 | 61533 | 34641 | 43828 | | |
| 52 31 | 46188 | 1298 | 790 | 6352 | 6341 | 0 | 61846 | 34641 | 43722 | | |
| 53 32 | 46188 | 1298 | 790 | 6377 | 6341 | 0 | 61871 | 34641 | 43687 | | |
| 54 33 | 46188 | 1298 | 790 | 6381 | 6341 | 0 | 61875 | 34641 | 43514 | | |
| 55 34 | 46188 | 1298 | 790 | 6343 | 6341 | 0 | 61836 | 34641 | 43272 | | |
| 56 35 | 46188 | 1298 | 790 | 6400 | 6341 | 0 | 61894 | 34641 | 42963 | | |
| 57 36 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 34641 | 42589 | | |
| 58 37 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 34641 | 42151 | | |
| 59 38 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 34641 | 41651 | | |
| 60 39 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 34641 | 41092 | | |
| 61 40 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 34641 | 40476 | | |
| 62 41 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 34641 | 39866 | | |
| 63 42 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 34641 | 39285 | | |
| 64 43 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 34641 | 38317 | | |
| TOTALS: 1157151 45446 22478 187981 47982 152149 0 1613222 | | | | | | | | 739236 | 1612434 | | |
| ***** INCOME STREAMS: MILPAY VS. OTHERS ***** | | | | | | | | | | | |
| SCENARIO NO. 8 : BASECASE | | | | | | | | | | | |



Table I-69
Army Officer Annualized Cost of Leaving (ACOL)

| ACOL OUTPUT
SERVICE: ARMY
CURRENT | DATE OF BIRTH: 11/21/83 | | 16:13:16 BASE YEAR: SEVEN YEAR AVG. | | 14 AGGREGATION | |
|---|-------------------------|---------|-------------------------------------|---------|----------------|---------|
| | 28 | 29 | 28 | 29 | 28 | 29 |
| YR TESTED: | 42 | 42 | 42 | 42 | 42 | 42 |
| ANNUITY AGE: | .025 | .025 | .025 | .025 | .025 | .025 |
| MULTIPLIER: | Y | Y | Y | Y | Y | Y |
| DECREMENTED? | N | N | N | N | N | N |
| PAY CHANGES? | .000065 | .000065 | .000065 | .000065 | .000065 | .000065 |
| BETA WT.: | .000 | .000 | .000 | .000 | .000 | .000 |
| ENLOSS: | N | N | N | N | N | N |
| COLA ADJ? | .000 | .000 | .000 | .000 | .000 | .000 |
| AVG. CPI: | | | | | | |
| --- ACOL MATRIX --- | | | | | | |
| CASE NO. | 1 | 2 | 3 | 4 | 5 | 6 |
| YEAR OF SERVICE | 2 | 3 | 4 | 5 | 6 | 7 |
| 2 | 9691 | 9518 | 8612 | 8166 | 7728 | 7364 |
| 3 | 11204 | 10954 | 9879 | 9398 | 8961 | 8431 |
| 4 | 12415 | 12099 | 11477 | 10868 | 10313 | 9778 |
| 5 | 13482 | 13168 | 12487 | 11722 | 11062 | 10481 |
| 6 | 14324 | 13915 | 13116 | 12345 | 11595 | 10948 |
| 7 | 15296 | 14946 | 13985 | 13077 | 12234 | 11456 |
| 8 | 16482 | 16127 | 15046 | 13965 | 12945 | 12034 |
| 9 | 17834 | 17508 | 16366 | 15143 | 13921 | 12781 |
| 10 | 19712 | 19432 | 18442 | 16851 | 15261 | 13678 |
| 11 | 22113 | 21793 | 20199 | 18685 | 17011 | 15416 |
| 12 | 24946 | 24575 | 22732 | 20888 | 19445 | 17801 |
| 13 | 28387 | 27953 | 25735 | 23637 | 21489 | 19322 |
| 14 | 32746 | 32231 | 29667 | 27183 | 24539 | 21976 |
| 15 | 38755 | 38139 | 35022 | 31914 | 28806 | 25698 |
| 16 | 46983 | 46284 | 42332 | 38459 | 34586 | 30713 |
| 17 | 58682 | 56871 | 53646 | 48622 | 43597 | 38572 |
| 18 | 73586 | 70183 | 67233 | 64283 | 59353 | 56382 |
| 19 | 119139 | 116956 | 106146 | 95336 | 84526 | 73716 |
| 20 | 237343 | 232837 | 218427 | 199818 | 165689 | 143199 |
| 21 | 34145 | 29976 | 27252 | 25428 | 23683 | 21779 |
| 22 | 27481 | 28137 | 26474 | 24811 | 23148 | 21485 |
| 23 | 42526 | 36644 | 34357 | 32871 | 29785 | 27498 |
| 24 | 28576 | 33472 | 31531 | 29538 | 27649 | 25788 |
| 25 | 26818 | 33815 | 31159 | 29383 | 27446 | 25598 |
| 26 | 25974 | 25786 | 24543 | 23388 | 22217 | 21054 |
| 27 | 51883 | 35168 | 33334 | 31567 | 29688 | 27854 |
| 28 | 27558 | 35448 | 33642 | 31835 | 29829 | 28222 |
| 29 | 36568 | 38827 | 36739 | 34639 | 32362 | 30473 |
| 30 | 26659 | 29881 | 28621 | 27442 | 26262 | 25083 |
| 31 | 11956 | 15693 | 15929 | 16165 | 16481 | 16637 |
| 32 | 11879 | 12162 | 12764 | 13366 | 13968 | 14571 |
| 33 | 11824 | 11824 | 12478 | 13132 | 13785 | 14435 |
| 34 | 11778 | 11778 | 12449 | 13129 | 13888 | 14488 |
| 35 | 11933 | 11933 | 12633 | 13333 | 14032 | 14732 |
| | | | | | | 15432 |
| | | | | | | 16931 |

Table I-70
Army Officer Pay Component of ACOL

| ACOL OUTPUT | | DATE OF RUN: 11/21/83 | | 16:13:16 BASE YEAR: SEVEN YEAR AVG. | |
|--------------------|---------|-----------------------|---------|-------------------------------------|---------|
| SERVICE: ARMY | | OFFICERS | | 14 **AGGREGATE** | |
| CURRENT | | | | | |
| YR VESTED: | 28 | 28 | 28 | 28 | 28 |
| ANNUITY AGE: | 42 | 42 | 42 | 42 | 42 |
| MULTIPLIER: | .825 | .825 | .825 | .825 | .825 |
| DECREMENTED? | Y | Y | Y | Y | Y |
| PAY CHANGES? | N | N | N | N | N |
| DATA VT.: | .000065 | .000065 | .000065 | .000065 | .000065 |
| ENLOSS: | .000 | .000 | .000 | .000 | .000 |
| COLA ADJ: | N | N | N | N | N |
| AVG. CPI: | .000 | .000 | .000 | .000 | .000 |
| ACOL PAY COMPONENT | | 1 | | 2 | |
| BASE | | 3 | | 4 | |
| YEAR OF SERVICE | | 5 | | 6 | |
| 2 | 3 | 4 | 5 | 6 | 7 |
| 4896 | 4438 | 5844 | 5844 | 5182 | 5732 |
| 5887 | 5343 | 5966 | 5966 | 5182 | 5732 |
| 5576 | 5749 | 5917 | 5917 | 5182 | 5732 |
| 5913 | 6182 | 6288 | 6288 | 5182 | 5732 |
| 5946 | 6343 | 6349 | 6349 | 5182 | 5732 |
| 6887 | 5338 | 6236 | 6236 | 5182 | 5732 |
| 5554 | 5316 | 6314 | 6314 | 5182 | 5732 |
| 5365 | 5365 | 5365 | 5365 | 5182 | 5732 |
| 5527 | 5527 | 5527 | 5527 | 5182 | 5732 |
| 5855 | 5855 | 5855 | 5855 | 5182 | 5732 |
| 6148 | 6148 | 6148 | 6148 | 5182 | 5732 |
| 6376 | 6376 | 6376 | 6376 | 5182 | 5732 |
| 6592 | 6592 | 6592 | 6592 | 5182 | 5732 |
| 7049 | 7049 | 7049 | 7049 | 5182 | 5732 |
| 7477 | 7477 | 7477 | 7477 | 5182 | 5732 |
| 8423 | 8423 | 8423 | 8423 | 5182 | 5732 |
| 8682 | 8682 | 8682 | 8682 | 5182 | 5732 |
| 8855 | 8855 | 8855 | 8855 | 5182 | 5732 |
| 8743 | 8743 | 8743 | 8743 | 5182 | 5732 |
| 10834 | 10834 | 10834 | 10834 | 5182 | 5732 |
| 11588 | 11588 | 11588 | 11588 | 5182 | 5732 |
| 13788 | 13788 | 13788 | 13788 | 5182 | 5732 |
| 14062 | 14062 | 14062 | 14062 | 5182 | 5732 |
| 14453 | 14453 | 14453 | 14453 | 5182 | 5732 |
| 15437 | 15437 | 15437 | 15437 | 5182 | 5732 |
| 16894 | 16894 | 16894 | 16894 | 5182 | 5732 |
| 17383 | 17383 | 17383 | 17383 | 5182 | 5732 |
| 17942 | 17942 | 17942 | 17942 | 5182 | 5732 |
| 18005 | 18005 | 18005 | 18005 | 5182 | 5732 |
| 18053 | 18053 | 18053 | 18053 | 5182 | 5732 |
| 18184 | 18184 | 18184 | 18184 | 5182 | 5732 |
| 18361 | 18361 | 18361 | 18361 | 5182 | 5732 |
| 18564 | 18564 | 18564 | 18564 | 5182 | 5732 |
| 18931 | 18931 | 18931 | 18931 | 5182 | 5732 |

Table I-71
Army Officer Retirement Component

| ACOL OUTPUT | | DATE OF BIRTH: 11/21/83 | | 16:13:10 BASK YEAR: SEVEN YEAR AVG. | |
|---------------------------|------------|-------------------------|--------|-------------------------------------|--------|
| SERVICES: ARMY | | OFFICERS | | 14 **AGGREGATE** | |
| CURRENT | IN VESTED: | 28 | 29 | 28 | 29 |
| ANNUITY AGE: | 42 | 42 | 42 | 42 | 42 |
| MULTIPLIER: | .925 | .925 | .925 | .925 | .925 |
| DECREMENTED? | Y | Y | Y | Y | Y |
| PAY CHANGES? | N | N | N | N | N |
| BETA WT.1 | .00065 | .00065 | .00065 | .00065 | .00065 |
| ENLROSS: | .006 | .006 | .006 | .006 | .006 |
| COLA ADJZ | N | N | N | N | N |
| AVG. CPI: | .000 | .000 | .000 | .000 | .000 |
| ACOL RETIREMENT COMPONENT | | 1 | 2 | 3 | 4 |
| CASI NO. | 2 | 3 | 4 | 5 | 6 |
| YEAR OF SERVICE | 2 | 3 | 4 | 5 | 6 |
| | 5595 | 5697 | 4813 | 3567 | 3122 |
| | 6193 | 5611 | 5858 | 3914 | 3425 |
| | 6846 | 6358 | 5561 | 4943 | 3758 |
| | 7569 | 7866 | 6385 | 5442 | 4184 |
| | 8378 | 8572 | 6982 | 5986 | 5246 |
| | 9289 | 9688 | 8648 | 6842 | 5786 |
| | 10848 | 10811 | 9738 | 8649 | 6631 |
| | 12469 | 12233 | 11281 | 9778 | 8556 |
| | 14185 | 13985 | 12515 | 11124 | 9734 |
| | 16258 | 15938 | 14344 | 12758 | 11156 |
| | 18886 | 18435 | 16591 | 14748 | 12924 |
| | 22811 | 21577 | 19419 | 17262 | 15124 |
| | 26154 | 25638 | 23875 | 20511 | 17947 |
| | 31785 | 31884 | 27972 | 24864 | 21756 |
| | 39586 | 38927 | 34854 | 30982 | 27189 |
| | 51259 | 50249 | 45224 | 40199 | 35174 |
| | 78899 | 69361 | 62551 | 55681 | 48651 |
| | 118275 | 108181 | 97291 | 86481 | 75671 |
| | 223688 | 224894 | 281685 | 179275 | 156866 |
| | 23311 | 18242 | 16418 | 14594 | 12778 |
| | 15893 | 15629 | 14966 | 13363 | 11648 |
| | 28746 | 22864 | 20577 | 18291 | 16085 |
| | 14514 | 19418 | 17469 | 15528 | 13587 |
| | 15565 | 18562 | 16786 | 14858 | 12994 |
| | 18537 | 11634 | 18467 | 5384 | 8141 |
| | 34189 | 18266 | 16439 | 14613 | 12786 |
| | 18168 | 18866 | 16596 | 14453 | 12646 |
| | 18617 | 22885 | 18796 | 16788 | 14519 |
| | 8654 | 11795 | 16616 | 9436 | 8257 |
| | -6897 | -2361 | -2124 | -1888 | -1652 |
| | -6385 | -6822 | -4818 | -4215 | -3613 |
| | -6537 | -5883 | -5229 | -4576 | -3922 |
| | -6794 | -6794 | -6115 | -5436 | -4677 |
| | -5998 | -6998 | -6298 | -5399 | -4899 |

Table I-72
Army Officer Force Structures

| ACOL OUTPUT | | DATE OF INR: 11/21/83 | | 18:13:18 BASE YEAR: SEVEN YEAR AVG. | |
|---------------------|-------|-----------------------|--------|-------------------------------------|--------|
| SERVICE: ARMY | | OFFICERS | | 14 OFFICERS | |
| CURRENT | | 28 | 29 | 29 | 29 |
| YR VESTED: | | 42 | 42 | 42 | 42 |
| ANNUITY ACQ: | | .025 | .025 | .025 | .025 |
| MULTIPLIER: | | Y | Y | Y | Y |
| DECREMENTED? | | N | N | N | N |
| PAY CHANGES? | | N | N | N | N |
| DATA WT.: | | .00005 | .00005 | .00005 | .00005 |
| ENLOSS: | | .000 | .000 | .000 | .000 |
| COLA ADJ? | | N | N | N | N |
| AVG. CFI: | | .000 | .000 | .000 | .000 |
| --- FORCE TABLE --- | | | | | |
| CASE NO. | BASE | 1 | 2 | 3 | 4 |
| YEAR OF SERVICE | | | | | |
| 1 | 5302 | 9483 | 9743 | 10117 | 10502 |
| 2 | 8894 | 8983 | 9383 | 9643 | 9999 |
| 3 | 7994 | 8666 | 8329 | 8609 | 8982 |
| 4 | 6777 | 6823 | 7813 | 7215 | 7429 |
| 5 | 5761 | 5783 | 5911 | 6040 | 6190 |
| 6 | 5181 | 5188 | 5196 | 5289 | 5388 |
| 7 | 4587 | 4585 | 4559 | 4617 | 4681 |
| 8 | 4082 | 4076 | 4106 | 4139 | 4176 |
| 9 | 3709 | 3708 | 3713 | 3727 | 3743 |
| 10 | 3416 | 3407 | 3408 | 3409 | 3411 |
| 11 | 3177 | 3166 | 3158 | 3154 | 3134 |
| 12 | 2878 | 2866 | 2846 | 2824 | 2777 |
| 13 | 2648 | 2635 | 2606 | 2573 | 2538 |
| 14 | 2493 | 2489 | 2447 | 2418 | 2378 |
| 15 | 2351 | 2338 | 2381 | 2269 | 2215 |
| 16 | 2125 | 2109 | 2058 | 1981 | 1944 |
| 17 | 1998 | 1988 | 1912 | 1832 | 1739 |
| 18 | 1853 | 1831 | 1739 | 1625 | 1486 |
| 19 | 1723 | 1714 | 1624 | 1509 | 1365 |
| 20 | 1616 | 1625 | 1539 | 1438 | 1294 |
| 21 | 1259 | 1166 | 1066 | 954 | 828 |
| 22 | 1032 | 964 | 864 | 757 | 642 |
| 23 | 862 | 747 | 647 | 544 | 442 |
| 24 | 742 | 669 | 571 | 473 | 377 |
| 25 | 648 | 587 | 512 | 419 | 329 |
| 26 | 548 | 511 | 426 | 344 | 266 |
| 27 | 458 | 442 | 362 | 287 | 218 |
| 28 | 358 | 383 | 309 | 248 | 178 |
| 29 | 241 | 278 | 209 | 155 | 118 |
| 30 | 174 | 218 | 166 | 121 | 84 |
| 31 | 89 | 137 | 105 | 77 | 54 |
| 32 | 46 | 78 | 61 | 46 | 32 |
| 33 | 23 | 44 | 35 | 27 | 19 |
| 34 | 12 | 25 | 20 | 16 | 12 |
| 35 | 6 | 14 | 12 | 9 | 7 |
| YR INSTRUCTIVE | 88874 | 88874 | 88874 | 88874 | 88874 |
| YR. SERV. LIFE | 10 | 9 | 9 | 8 | 7 |

Table I-73
Army Nonprior Service Officer Reenlistment Rates

| ACOL OUTPUT | DATE OF BIRTH | 16:13:10 | BASE YEAR | SEVEN YEAR | AVE. |
|----------------------------|---------------|----------|-----------|------------|---------|
| SERVICE: ARMY | OFFICERS | 14 | AGE | DEGREE | |
| CURRENT | 28 | 42 | 28 | 42 | 28 |
| YE VESTED: | 42 | 42 | 42 | 42 | 42 |
| ANNUITY ACT: | .025 | .025 | .025 | .025 | .025 |
| MULTIPLIER: | Y | Y | Y | Y | Y |
| DECREMENTED? | N | N | N | N | N |
| PAY CHANGES? | .000065 | .000065 | .000065 | .000065 | .000065 |
| DATA WT.: | .000 | .000 | .000 | .000 | .000 |
| EXLOSS: | N | N | N | N | N |
| COLA ADJ: | .000 | .000 | .000 | .000 | .000 |
| AVE. CPI: | .000 | .000 | .000 | .000 | .000 |
| --- REENLISTMENT RATES --- | | | | | |
| CASE NO. | 1 | 2 | 3 | 4 | 5 |
| YEAR OF SERVICE | 1 | 2 | 3 | 4 | 5 |
| 1 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 2 | .951 | .949 | .948 | .947 | .945 |
| 3 | .897 | .885 | .876 | .875 | .871 |
| 4 | .846 | .843 | .838 | .832 | .827 |
| 5 | .828 | .825 | .818 | .811 | .805 |
| 6 | .807 | .804 | .797 | .789 | .782 |
| 7 | .783 | .780 | .774 | .767 | .761 |
| 8 | .766 | .764 | .758 | .751 | .744 |
| 9 | .748 | .746 | .740 | .733 | .726 |
| 10 | .731 | .729 | .723 | .716 | .709 |
| 11 | .714 | .712 | .706 | .699 | .692 |
| 12 | .697 | .695 | .689 | .682 | .675 |
| 13 | .680 | .678 | .672 | .665 | .658 |
| 14 | .663 | .661 | .655 | .648 | .641 |
| 15 | .646 | .644 | .638 | .631 | .624 |
| 16 | .629 | .627 | .621 | .614 | .607 |
| 17 | .612 | .610 | .604 | .597 | .590 |
| 18 | .595 | .593 | .587 | .580 | .573 |
| 19 | .578 | .576 | .570 | .563 | .556 |
| 20 | .561 | .559 | .553 | .546 | .539 |
| 21 | .544 | .542 | .536 | .529 | .522 |
| 22 | .527 | .525 | .519 | .512 | .505 |
| 23 | .510 | .508 | .502 | .495 | .488 |
| 24 | .493 | .491 | .485 | .478 | .471 |
| 25 | .476 | .474 | .468 | .461 | .454 |
| 26 | .459 | .457 | .451 | .444 | .437 |
| 27 | .442 | .440 | .434 | .427 | .420 |
| 28 | .425 | .423 | .417 | .410 | .403 |
| 29 | .408 | .406 | .400 | .393 | .386 |
| 30 | .391 | .389 | .383 | .376 | .369 |
| 31 | .374 | .372 | .366 | .359 | .352 |
| 32 | .357 | .355 | .349 | .342 | .335 |
| 33 | .340 | .338 | .332 | .325 | .318 |
| 34 | .323 | .321 | .315 | .308 | .301 |
| 35 | .306 | .304 | .298 | .291 | .284 |

Table I-75
Army Officer Survival Rates

| ACOL OUTPUT
SERVICE: ARMY
CURRENT | DATE OF RUM: 11/21/83 | | 16:13:16 BASE YEAR: SEVEN YEAR AVG. | | 14 **ACCRUING** | | 28 | | 42 | | 56 | | 70 | | 84 | | 98 | |
|---|-----------------------|---------|-------------------------------------|---------|-----------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| | 28 | 42 | 56 | 70 | 84 | 98 | 28 | 42 | 56 | 70 | 84 | 98 | 28 | 42 | 56 | 70 | 84 | 98 |
| YE VISITED: | .025 | .025 | .025 | .025 | .025 | .025 | .025 | .025 | .025 | .025 | .025 | .025 | .025 | .025 | .025 | .025 | .025 | .025 |
| MULTIPLIER: | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y |
| DECREMENTED? | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N |
| PAY CHANGES? | .000065 | .000065 | .000065 | .000065 | .000065 | .000065 | .000065 | .000065 | .000065 | .000065 | .000065 | .000065 | .000065 | .000065 | .000065 | .000065 | .000065 | .000065 |
| DATA WT.: | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| ENCLOS: | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| COLA ADJ? | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| AVG. CPI: | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| *** SURVIVAL RATES *** | | | | | | | | | | | | | | | | | | |
| CASE NO. : BASE | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 |
| YEAR OF SERVICE | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| | .956 | .954 | .953 | .952 | .951 | .950 | .946 | .946 | .946 | .946 | .946 | .946 | .946 | .946 | .946 | .946 | .946 | .946 |
| | .858 | .854 | .851 | .848 | .844 | .841 | .828 | .828 | .828 | .828 | .828 | .828 | .828 | .828 | .828 | .828 | .828 | .828 |
| | .729 | .719 | .713 | .707 | .702 | .696 | .673 | .673 | .673 | .673 | .673 | .673 | .673 | .673 | .673 | .673 | .673 | .673 |
| | .619 | .615 | .606 | .598 | .582 | .574 | .543 | .543 | .543 | .543 | .543 | .543 | .543 | .543 | .543 | .543 | .543 | .543 |
| | .548 | .543 | .533 | .523 | .513 | .504 | .468 | .468 | .468 | .468 | .468 | .468 | .468 | .468 | .468 | .468 | .468 | .468 |
| | .484 | .479 | .468 | .456 | .446 | .436 | .399 | .399 | .399 | .399 | .399 | .399 | .399 | .399 | .399 | .399 | .399 | .399 |
| | .439 | .433 | .421 | .409 | .398 | .387 | .359 | .359 | .359 | .359 | .359 | .359 | .359 | .359 | .359 | .359 | .359 | .359 |
| | .390 | .384 | .361 | .348 | .335 | .325 | .296 | .296 | .296 | .296 | .296 | .296 | .296 | .296 | .296 | .296 | .296 | .296 |
| | .367 | .362 | .350 | .337 | .325 | .313 | .285 | .285 | .285 | .285 | .285 | .285 | .285 | .285 | .285 | .285 | .285 | .285 |
| | .342 | .337 | .324 | .311 | .299 | .288 | .259 | .259 | .259 | .259 | .259 | .259 | .259 | .259 | .259 | .259 | .259 | .259 |
| | .349 | .345 | .329 | .316 | .303 | .292 | .263 | .263 | .263 | .263 | .263 | .263 | .263 | .263 | .263 | .263 | .263 | .263 |
| | .285 | .280 | .267 | .254 | .242 | .229 | .200 | .200 | .200 | .200 | .200 | .200 | .200 | .200 | .200 | .200 | .200 | .200 |
| | .268 | .264 | .251 | .238 | .226 | .214 | .185 | .185 | .185 | .185 | .185 | .185 | .185 | .185 | .185 | .185 | .185 | .185 |
| | .253 | .249 | .236 | .223 | .211 | .199 | .170 | .170 | .170 | .170 | .170 | .170 | .170 | .170 | .170 | .170 | .170 | .170 |
| | .228 | .224 | .210 | .196 | .181 | .167 | .138 | .138 | .138 | .138 | .138 | .138 | .138 | .138 | .138 | .138 | .138 | .138 |
| | .215 | .211 | .196 | .181 | .166 | .152 | .123 | .123 | .123 | .123 | .123 | .123 | .123 | .123 | .123 | .123 | .123 | .123 |
| | .199 | .195 | .178 | .161 | .142 | .121 | .092 | .092 | .092 | .092 | .092 | .092 | .092 | .092 | .092 | .092 | .092 | .092 |
| | .185 | .182 | .167 | .149 | .130 | .109 | .080 | .080 | .080 | .080 | .080 | .080 | .080 | .080 | .080 | .080 | .080 | .080 |
| | .174 | .173 | .158 | .141 | .123 | .103 | .074 | .074 | .074 | .074 | .074 | .074 | .074 | .074 | .074 | .074 | .074 | .074 |
| | .135 | .124 | .109 | .094 | .079 | .063 | .034 | .034 | .034 | .034 | .034 | .034 | .034 | .034 | .034 | .034 | .034 | .034 |
| | .111 | .102 | .089 | .075 | .061 | .048 | .019 | .019 | .019 | .019 | .019 | .019 | .019 | .019 | .019 | .019 | .019 | .019 |
| | .083 | .079 | .066 | .054 | .042 | .031 | .002 | .002 | .002 | .002 | .002 | .002 | .002 | .002 | .002 | .002 | .002 | .002 |
| | .086 | .071 | .055 | .047 | .036 | .026 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| | .069 | .065 | .053 | .041 | .031 | .023 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| | .056 | .054 | .044 | .034 | .025 | .018 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| | .048 | .047 | .037 | .028 | .021 | .014 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| | .038 | .041 | .032 | .024 | .017 | .012 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| | .026 | .029 | .021 | .015 | .010 | .007 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| | .019 | .023 | .017 | .012 | .008 | .005 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| | .010 | .015 | .011 | .008 | .005 | .003 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| | .005 | .008 | .006 | .005 | .003 | .002 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| | .002 | .005 | .004 | .003 | .002 | .001 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| | .001 | .003 | .002 | .002 | .001 | .001 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| | .001 | .002 | .001 | .001 | .001 | .001 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |

Table I-76
Army Officer Present Value Gap

| | | | | | | | | |
|--------------------------|-----------------------|---------|---------|---------|-------------------------------------|---------|---------|---------|
| ACOL OUTPUT | DATE OF RUN: 11/21/83 | | | | 16:13:10 BASE YEAR: SEVEN YEAR AVG. | | | |
| SERVICE: ARMY | OFFICERS | | | | 14 **AGGREGATE** | | | |
| CURRENT | | | | | | | | |
| YR VESTED: | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| ANNUITY AGE: | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42 |
| MULTIPLIER: | .025 | .025 | .025 | .025 | .025 | .025 | .025 | .025 |
| DECREMENTED? | Y | Y | Y | Y | Y | Y | Y | Y |
| PAY CHANGES? | N | N | N | N | N | N | N | N |
| BETA WT.: | .000065 | .000065 | .000065 | .000065 | .000065 | .000065 | .000065 | .000065 |
| ENLOSS: | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| COLA ADJT | N | N | N | N | N | N | N | N |
| AVG. CPI: | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| --- 1: PRESENT VALUE GAP | 2: YR PV MAX --- | | | | | | | |
| CASE NO. | BASE | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| YEAR OF SERVICE | | | | | | | | |
| 2 | 100475 | 1580 | 1849 | -3189 | -8226 | -12232 | -17078 | -32185 |
| 2 | 22 | 24 | 28 | 28 | 28 | 29 | 29 | 34 |
| 3 | 117401 | 1745 | -4358 | -3568 | -9205 | -14842 | -19111 | -36015 |
| 3 | 21 | 23 | 23 | 27 | 27 | 27 | 28 | 33 |
| 4 | 129851 | -586 | -4807 | -11538 | -10153 | -16371 | -21079 | -38724 |
| 4 | 20 | 21 | 22 | 22 | 26 | 26 | 27 | 32 |
| 5 | 139643 | -642 | -8071 | -12634 | -11118 | -17926 | -23082 | -43498 |
| 5 | 19 | 20 | 20 | 21 | 25 | 25 | 26 | 31 |
| 6 | 146125 | -17087 | -8797 | -13771 | -21806 | -19540 | -26961 | -47413 |
| 6 | 18 | 15 | 16 | 20 | 20 | 24 | 24 | 30 |
| 7 | 152902 | -18574 | -27214 | -18365 | -23703 | -21240 | -29306 | -51538 |
| 7 | 17 | 14 | 14 | 18 | 19 | 23 | 23 | 29 |
| 8 | 148348 | -8770 | -18127 | -27483 | -18076 | -11657 | -20393 | -44470 |
| 8 | 14 | 13 | 13 | 13 | 17 | 22 | 22 | 28 |
| 9 | 147437 | -2032 | -12107 | -22242 | -32347 | -18246 | -14585 | -40888 |
| 9 | 12 | 12 | 12 | 12 | 12 | 17 | 21 | 27 |
| 10 | 154570 | -2193 | -13096 | -23999 | -34903 | -45806 | -15737 | -43794 |
| 10 | 11 | 11 | 11 | 11 | 11 | 11 | 20 | 26 |
| 11 | 163236 | -2366 | -14131 | -25885 | -37660 | -49425 | -61190 | -47254 |
| 11 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 25 |
| 12 | 171300 | -2546 | -15204 | -27863 | -40522 | -53181 | -65840 | -50845 |
| 12 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 24 |
| 13 | 179197 | -2739 | -16360 | -29981 | -43602 | -57223 | -70844 | -54710 |
| 13 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 23 |
| 14 | 187022 | -2944 | -17587 | -32230 | -46872 | -61515 | -76138 | -58813 |
| 14 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 22 |
| 15 | 196270 | -3165 | -18906 | -34647 | -50388 | -66129 | -81869 | -63224 |
| 15 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 21 |
| 16 | 204906 | -3396 | -20286 | -37176 | -54066 | -70956 | -87846 | -67839 |
| 16 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 20 |
| 17 | 215451 | -3648 | -21767 | -39927 | -56067 | -76267 | -94346 | -72559 |
| 17 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 19 |
| 18 | 222807 | -3914 | -23378 | -42842 | -62306 | -81770 | -101234 | -76178 |
| 18 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 18 |
| 19 | 230135 | -4200 | -25084 | -45969 | -66854 | -87739 | -108624 | -83885 |
| 19 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 17 |
| 20 | 237343 | -4506 | -26916 | -49325 | -71734 | -94144 | -116553 | -90009 |
| 20 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 16 |
| 21 | 34145 | -5069 | -3893 | -8717 | -10542 | -12366 | -14190 | 114425 |
| 21 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 15 |

Table I-76 (Con't)
Army Officer Present Value Gap

| | | | | | | | | |
|----|-------|--------|--------|--------|--------|--------|--------|--------|
| 22 | 27481 | 736 | -927 | -2598 | -4253 | -5916 | -7578 | 128115 |
| 22 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 14 |
| 23 | 42526 | -5883 | -8166 | -18455 | -12742 | -15028 | -17314 | 103275 |
| 23 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 13 |
| 24 | 28576 | 4896 | 2955 | 1814 | -927 | -2868 | -4809 | 112951 |
| 24 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 12 |
| 25 | 26018 | 6997 | 5141 | 3285 | 1429 | -427 | -2284 | 110369 |
| 25 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 11 |
| 26 | 50249 | -24543 | -25706 | -26869 | -28032 | -29195 | -30358 | 88465 |
| 26 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 10 |
| 27 | 51003 | -15843 | -17669 | -19498 | -21323 | -23149 | -24976 | 73799 |
| 27 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 9 |
| 28 | 27550 | 7898 | 6891 | 4285 | 2478 | 672 | -1135 | 88019 |
| 28 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 8 |
| 29 | 36560 | 2267 | 179 | -1910 | -3998 | -6086 | -8175 | 68509 |
| 29 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 |
| 30 | 26659 | 3142 | 1962 | 783 | -397 | -1576 | -2756 | 66749 |
| 30 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 6 |
| 31 | 11956 | 3737 | 3973 | 4289 | 4445 | 4681 | 4917 | 68725 |
| 31 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 5 |
| 32 | 11879 | 283 | 885 | 1488 | 2090 | 2692 | 3294 | 55133 |
| 32 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 4 |
| 33 | 11824 | 0 | 654 | 1307 | 1961 | 2615 | 3268 | 48422 |
| 33 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 3 |
| 34 | 11778 | 0 | 679 | 1359 | 2038 | 2718 | 3397 | 24487 |
| 34 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 |
| 35 | 11933 | 0 | 708 | 1488 | 2099 | 2799 | 3499 | 6998 |
| 35 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

Table I-77

16:13:19 LAST YEAR: SEVEN YEAR AVG.

Table I-78
Army Officer 30% Decrement to Multiplier
Force grade Strengths

| ACOL OUTPOST | | DATE OF ROW: 11/21/83 | | 16:13:19 BASE YEAR: SEVEN YEAR AVG. | | 14 **AGGREGATE** | | USAP14 ACOL | | WEST-26:AND-42:MULT-0.025:HI AVG-SIDEC-Y:CHPAY-N:DUAL TRK-W:PTA- | | .00065:INCLOSS- | | .00:INC COL-1-M | | CONT | |
|---------------|--|-----------------------|--|-------------------------------------|--|------------------|--|-------------|--|--|--|-----------------|--|-----------------|--|-------|--|
| SERVICT: ARMY | | OFFICERS | | 14 | | 14 | | 14 | | 14 | | 14 | | 14 | | 14 | |
| CURRENT | | 14 | | 14 | | 14 | | 14 | | 14 | | 14 | | 14 | | 14 | |
| LOS | | 1 | | 2 | | 3 | | 4 | | 5 | | 6 | | 7 | | 8 | |
| 1 | | 18562 | | 1825 | | 1825 | | 1825 | | 1825 | | 1825 | | 1825 | | 1825 | |
| 2 | | 8974 | | 8345 | | 8345 | | 8345 | | 8345 | | 8345 | | 8345 | | 8345 | |
| 3 | | 557 | | 557 | | 557 | | 557 | | 557 | | 557 | | 557 | | 557 | |
| 4 | | 1182 | | 1182 | | 1182 | | 1182 | | 1182 | | 1182 | | 1182 | | 1182 | |
| 5 | | 5883 | | 5883 | | 5883 | | 5883 | | 5883 | | 5883 | | 5883 | | 5883 | |
| 6 | | 5148 | | 5148 | | 5148 | | 5148 | | 5148 | | 5148 | | 5148 | | 5148 | |
| 7 | | 4427 | | 4427 | | 4427 | | 4427 | | 4427 | | 4427 | | 4427 | | 4427 | |
| 8 | | 3978 | | 3978 | | 3978 | | 3978 | | 3978 | | 3978 | | 3978 | | 3978 | |
| 9 | | 3471 | | 3471 | | 3471 | | 3471 | | 3471 | | 3471 | | 3471 | | 3471 | |
| 10 | | 3678 | | 3678 | | 3678 | | 3678 | | 3678 | | 3678 | | 3678 | | 3678 | |
| 11 | | 1767 | | 1767 | | 1767 | | 1767 | | 1767 | | 1767 | | 1767 | | 1767 | |
| 12 | | 472 | | 472 | | 472 | | 472 | | 472 | | 472 | | 472 | | 472 | |
| 13 | | 192 | | 192 | | 192 | | 192 | | 192 | | 192 | | 192 | | 192 | |
| 14 | | 46 | | 46 | | 46 | | 46 | | 46 | | 46 | | 46 | | 46 | |
| 15 | | 2631 | | 2631 | | 2631 | | 2631 | | 2631 | | 2631 | | 2631 | | 2631 | |
| 16 | | 1526 | | 1526 | | 1526 | | 1526 | | 1526 | | 1526 | | 1526 | | 1526 | |
| 17 | | 482 | | 482 | | 482 | | 482 | | 482 | | 482 | | 482 | | 482 | |
| 18 | | 225 | | 225 | | 225 | | 225 | | 225 | | 225 | | 225 | | 225 | |
| 19 | | 185 | | 185 | | 185 | | 185 | | 185 | | 185 | | 185 | | 185 | |
| 20 | | 145 | | 145 | | 145 | | 145 | | 145 | | 145 | | 145 | | 145 | |
| 21 | | 661 | | 661 | | 661 | | 661 | | 661 | | 661 | | 661 | | 661 | |
| 22 | | 365 | | 365 | | 365 | | 365 | | 365 | | 365 | | 365 | | 365 | |
| 23 | | 176 | | 176 | | 176 | | 176 | | 176 | | 176 | | 176 | | 176 | |
| 24 | | 89 | | 89 | | 89 | | 89 | | 89 | | 89 | | 89 | | 89 | |
| 25 | | 272 | | 272 | | 272 | | 272 | | 272 | | 272 | | 272 | | 272 | |
| 26 | | 257 | | 257 | | 257 | | 257 | | 257 | | 257 | | 257 | | 257 | |
| 27 | | 217 | | 217 | | 217 | | 217 | | 217 | | 217 | | 217 | | 217 | |
| 28 | | 36 | | 36 | | 36 | | 36 | | 36 | | 36 | | 36 | | 36 | |
| 29 | | 152 | | 152 | | 152 | | 152 | | 152 | | 152 | | 152 | | 152 | |
| 30 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | |
| 31 | | 84 | | 84 | | 84 | | 84 | | 84 | | 84 | | 84 | | 84 | |
| 32 | | 54 | | 54 | | 54 | | 54 | | 54 | | 54 | | 54 | | 54 | |
| 33 | | 32 | | 32 | | 32 | | 32 | | 32 | | 32 | | 32 | | 32 | |
| 34 | | 19 | | 19 | | 19 | | 19 | | 19 | | 19 | | 19 | | 19 | |
| 35 | | 12 | | 12 | | 12 | | 12 | | 12 | | 12 | | 12 | | 12 | |
| TOTAL | | 19476 | | 15861 | | 15861 | | 15861 | | 15861 | | 15861 | | 15861 | | 15861 | |
| PRECISE | | 22 | | 18 | | 18 | | 18 | | 18 | | 18 | | 18 | | 18 | |
| KILLING | | 14 | | 14 | | 14 | | 14 | | 14 | | 14 | | 14 | | 14 | |

Table I-79
Army Officer Cost Summary

FILE: COST1440 COSTOA A1

VM/SP CONVERSATIONAL MONITOR SYSTEM

ACOL OUTPUT DATE OF RUN: 11/21/83 16:13:10 BASE YEAR: SEVEN YEAR AVG.
SERVICE: ARMY OFFICERS 14 **AGGREGATE**

CURRENT
YR VESTED: 20 20 20 20 20 20 20 20
ANNUITY AGE: 42 42 42 42 42 42 42 42
MULTIPLIER: .025 .025 .025 .025 .025 .025 .025 .025
DECREMENTED? Y Y Y Y Y Y Y Y
PAY CHANGES? N N N N N N N N
BETA WT.: .0000005 .0000005 .0000005 .0000005 .0000005 .0000005 .0000005 .0000005
ENLOSS: .000 .000 .000 .000 .000 .000 .000 .000
COLA ADJ? N N N N N N N N
AVG. CPI: .000 .000 .000 .000 .000 .000 .000 .000

--- SUMMARY TABLE : MILITARY PAY (MIL'S) FOR YEAR 81 ---
CASE NO. : BASE 1 2 3 4 5 6 7
YEAR OF SERVICE
1 - 4 YEARS 675.18 681.39 703.97 727.96 753.13 779.08 805.69 834.68
5 - 10 YEARS 831.62 831.87 841.26 851.51 862.62 874.66 887.61 921.36
11 - 20 YEARS 860.35 875.82 854.30 828.34 797.54 761.88 721.56 549.12
21 - 30 YEARS 317.81 321.77 258.34 215.49 173.82 134.11 97.39 4.29
MORE THAN 30 Y 9.76 16.83 12.95 9.89 6.99 4.61 2.35 .05
-- TOTAL -- 2713.91 2787.26 2678.82 2632.98 2593.99 2554.34 2514.51 2379.49

--- MILITARY PAY (MIL'S) FOR YEAR 81, BY SOURCE ---
CASE NO. : BASE 1 2 3 4 5 6 7
YEAR OF SERVICE
BASE PAY 2048.07 2042.68 2012.07 1978.32 1944.67 1910.51 1876.31 1761.49
BAS 115.38 115.39 115.38 115.38 115.38 115.38 115.38 115.38
VHA 38.02 37.82 37.80 36.12 35.19 34.23 33.23 29.09
BAQ 392.33 391.64 388.32 384.85 381.25 377.56 373.83 368.93
S+I 120.11 119.73 119.65 118.38 117.59 116.65 115.76 112.88
XMAS BONUS .00 .00 .00 .00 .00 .00 .00 .00
--TOTAL-- 2713.91 2787.26 2678.82 2632.98 2593.99 2554.34 2514.51 2379.49

--- SUMMARY TABLE : RETIREMENT (MIL'S) FOR YEAR 81 ---
CASE NO. : BASE 1 2 3 4 5 6 7
YEAR OF SERVICE
1 - 4 YEARS 5.18 5.19 4.96 4.68 4.34 3.94 3.47 .00
5 - 10 YEARS 9.92 9.82 9.27 8.65 7.95 7.16 6.25 .00
11 - 20 YEARS 516.97 551.29 516.79 478.42 433.47 383.29 327.71 .00
21 - 30 YEARS 885.87 749.55 625.98 504.24 386.34 277.51 183.22 .00
MORE THAN 30 Y 74.92 113.49 77.88 51.32 31.36 17.64 8.98 .00
-- TOTAL -- 1486.86 1429.33 1234.89 1047.30 863.45 689.53 529.55 .00

TAX ADV(MIL'S): 248.23 247.35 242.46 237.48 232.19 226.91 221.62 204.1

-> -> -> -> TOTAL COST (MIL'S) FOR YEAR 81
MILITARY 2713.91 2787.26 2678.82 2632.98 2593.99 2554.34 2514.51 2379.49
RETIREMENT 1486.86 1429.33 1234.89 1047.30 863.45 689.53 529.55 .00
DEATH BEN. .32 .33 .32 .38 .29 .29 .27 .24
-- TOTAL = 4201.10 4136.92 3965.94 3680.58 3457.74 3244.15 3044.33 2379.73

Table I-80
Navy Officer Military versus Civilian Income Streams

| FILE: ACOMATO INCOM A1 | | WM/SP CONVERSATIONAL MONITOR SYSTEM | | | | | | | | | |
|------------------------|----|--------------------------------------|-------|--------|-------|--------|-------|---------|--------|---------|-------|
| SCENARIO NO. 0 | | *** INCOME STREAMS: MILITARY PAY *** | | | | | | | | | |
| ACR (LOS) | | 0 : BASECASE | | | | | | | | | |
| | | BASE | BA5 | VNA | BAQ | SIPAY | TALES | IBOMUS | MILPAY | ANNUITY | CIVV |
| 22 | 1 | 12679 | 1298 | 789 | 2686 | 132 | 1299 | 0 | 18803 | 0 | 22484 |
| 23 | 2 | 12679 | 1298 | 789 | 2783 | 517 | 1299 | 0 | 19285 | 0 | 23525 |
| 24 | 3 | 15952 | 1298 | 615 | 3610 | 835 | 2820 | 0 | 24338 | 0 | 24575 |
| 25 | 4 | 19163 | 1298 | 615 | 3671 | 998 | 2820 | 0 | 27766 | 0 | 25631 |
| 26 | 5 | 22151 | 1298 | 918 | 4321 | 1731 | 2686 | 0 | 33885 | 0 | 26699 |
| 27 | 6 | 22151 | 1298 | 918 | 4327 | 2295 | 2686 | 0 | 33595 | 0 | 27749 |
| 28 | 7 | 23289 | 1298 | 918 | 4484 | 3658 | 2686 | 0 | 35486 | 0 | 28864 |
| 29 | 8 | 23210 | 1298 | 919 | 4464 | 2853 | 2687 | 0 | 35351 | 0 | 29851 |
| 30 | 9 | 24086 | 1298 | 935 | 4587 | 3312 | 2636 | 0 | 36769 | 0 | 30888 |
| 31 | 10 | 24226 | 1298 | 1012 | 4596 | 2215 | 2773 | 0 | 36128 | 0 | 31989 |
| 32 | 11 | 26177 | 1298 | 1216 | 4872 | 2587 | 3141 | 0 | 35298 | 0 | 32913 |
| 33 | 12 | 26268 | 1298 | 1245 | 4930 | 2869 | 3195 | 0 | 35738 | 0 | 33993 |
| 34 | 13 | 27942 | 1298 | 1319 | 5016 | 2748 | 3328 | 0 | 41541 | 0 | 34848 |
| 35 | 14 | 28062 | 1298 | 1353 | 5110 | 2586 | 3488 | 0 | 41888 | 0 | 35773 |
| 36 | 15 | 29457 | 1298 | 1369 | 5136 | 2879 | 3478 | 0 | 43688 | 0 | 36864 |
| 37 | 16 | 30838 | 1298 | 1408 | 5346 | 3063 | 3989 | 0 | 45041 | 0 | 37518 |
| 38 | 17 | 32431 | 1298 | 1425 | 5526 | 2248 | 4251 | 0 | 47271 | 0 | 38330 |
| 39 | 18 | 32615 | 1298 | 1431 | 5552 | 2423 | 4348 | 0 | 47668 | 0 | 39858 |
| 40 | 19 | 34361 | 1298 | 1433 | 5582 | 2828 | 4367 | 0 | 49089 | 0 | 39818 |
| 41 | 20 | 34576 | 1298 | 1431 | 5626 | 2938 | 4372 | 0 | 52348 | 17288 | 40487 |
| 42 | 21 | 36111 | 1298 | 1439 | 5732 | 2458 | 4691 | 0 | 51733 | 18959 | 41102 |
| 43 | 22 | 37678 | 1298 | 1487 | 5866 | 2918 | 5317 | 0 | 54577 | 20719 | 41680 |
| 44 | 23 | 39612 | 1298 | 1492 | 5993 | 2144 | 5417 | 0 | 55865 | 22777 | 42159 |
| 45 | 24 | 39928 | 1298 | 1397 | 6333 | 2594 | 5615 | 0 | 56225 | 23952 | 42566 |
| 46 | 25 | 40263 | 1298 | 1394 | 6373 | 2594 | 5615 | 0 | 57236 | 25154 | 42969 |
| 47 | 26 | 41889 | 1298 | 1361 | 6152 | 579 | 5821 | 2 | 56258 | 26656 | 43277 |
| 48 | 27 | 44294 | 1298 | 1361 | 6287 | 998 | 5981 | 0 | 60151 | 29898 | 43517 |
| 49 | 28 | 44649 | 1298 | 1376 | 6257 | 886 | 6049 | 0 | 60515 | 31255 | 43690 |
| 50 | 29 | 45034 | 1298 | 1372 | 6273 | 858 | 6121 | 0 | 62952 | 32647 | 43793 |
| 51 | 30 | 46188 | 1298 | 1358 | 6373 | 334 | 6341 | 0 | 61892 | 34641 | 43828 |
| 52 | 31 | 46188 | 1298 | 1358 | 6333 | 334 | 6341 | 0 | 61853 | 34641 | 43792 |
| 53 | 32 | 46188 | 1298 | 1358 | 6331 | 334 | 6341 | 0 | 61850 | 34641 | 43687 |
| 54 | 33 | 46188 | 1298 | 1358 | 6426 | 334 | 6341 | 0 | 61845 | 34641 | 43514 |
| 55 | 34 | 46188 | 1298 | 1358 | 6343 | 334 | 6341 | 0 | 61862 | 34641 | 43272 |
| 56 | 35 | 46188 | 1298 | 1358 | 6375 | 334 | 6341 | 0 | 61894 | 34641 | 42963 |
| 57 | 36 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 34641 | 42589 |
| 58 | 37 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 34641 | 42151 |
| 59 | 38 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 34641 | 41651 |
| 60 | 39 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 34641 | 41692 |
| 61 | 40 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 34641 | 41476 |
| 62 | 41 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 34641 | 39805 |
| 63 | 42 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 34641 | 39885 |
| 64 | 43 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 34641 | 38317 |
| TOTALS: 1147838 | | 45448 | 42688 | 184985 | 62517 | 148915 | 0 | 1631515 | 734289 | 1612434 | |

*** INCOME STREAMS: MILPAY VS. OTHERS ***
SCENARIO NO. 0 : BASECASE

Table I-81
Navy Officer Annualized Cost of Leaving (ACOL)

FILE: ACOLMATO PAGE1N A1

VM/SP CONVERSATIONAL MONITOR SYSTEM

ACOL OUTPUT DATE OF RUN: 11/21/83 16:25:38 BASE YEAR: SEVEN YEAR AVG.
SERVICE: NAVY OFFICERS 14 **AGGRIGATE**
CURRENT
YR VESTED: 20 20 20 20 20 20 20 20
ANNUITY AGE: 42 42 42 42 42 42 42 42
MULTIPLIER: .025 .025 .025 .025 .025 .025 .025 .025
DECREMENTED? Y Y Y Y Y Y Y Y
PAY CHANGES? N N N N N N N N
BETA WT.: .000065 .000065 .000065 .000065 .000065 .000065 .000065 .000065
ENLOSS: .000 .000 .000 .000 .000 .000 .000 .000
COLA ADJ? N N N N N N N N
AVG. CPI: .000 .000 .000 .000 .000 .000 .000 .000

--- ACOL MATRIX ---

| CASE NO. | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|-----------------|--------|--------|--------|--------|--------|--------|--------|
| YEAR OF SERVICE | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| 2 | 10410 | 10193 | 9747 | 9307 | 8867 | 8439 | 8019 |
| 3 | 11971 | 11705 | 11143 | 10623 | 10148 | 9657 | 9196 |
| 4 | 13259 | 12954 | 12318 | 11698 | 11127 | 10598 | 10081 |
| 5 | 14435 | 14119 | 13394 | 12689 | 12001 | 11396 | 10820 |
| 6 | 15303 | 15036 | 14194 | 13371 | 12593 | 11875 | 11242 |
| 7 | 16355 | 16147 | 15293 | 14259 | 13325 | 12470 | 11752 |
| 8 | 17566 | 17332 | 16270 | 15208 | 14146 | 13103 | 12236 |
| 9 | 19142 | 18877 | 17677 | 16476 | 15275 | 14074 | 12903 |
| 10 | 20966 | 20666 | 19300 | 17934 | 16568 | 15201 | 13835 |
| 11 | 23416 | 23071 | 21505 | 19939 | 18374 | 16808 | 15242 |
| 12 | 26085 | 25687 | 23876 | 22065 | 20253 | 18442 | 16631 |
| 13 | 29035 | 28609 | 26649 | 24629 | 22709 | 20790 | 18870 |
| 14 | 33816 | 33261 | 30742 | 28224 | 25705 | 23186 | 20667 |
| 15 | 39712 | 39040 | 35987 | 32933 | 29880 | 26827 | 23773 |
| 16 | 47776 | 46939 | 43134 | 39329 | 35525 | 31720 | 27916 |
| 17 | 59752 | 58665 | 53729 | 48792 | 43856 | 38919 | 33983 |
| 18 | 76220 | 74717 | 68889 | 64061 | 59233 | 54405 | 49577 |
| 19 | 116462 | 116124 | 105504 | 94884 | 84264 | 73644 | 63024 |
| 20 | 234852 | 230066 | 207991 | 185975 | 163960 | 141945 | 119930 |
| 21 | 30277 | 27566 | 25873 | 24179 | 22485 | 20792 | 19098 |
| 22 | 33476 | 30111 | 28392 | 26672 | 24953 | 23234 | 21514 |
| 23 | 37564 | 35249 | 33095 | 30940 | 28786 | 26632 | 24478 |
| 24 | 25271 | 32085 | 30240 | 28394 | 26549 | 24703 | 22857 |
| 25 | 26482 | 30328 | 28722 | 27116 | 25510 | 23904 | 22298 |
| 26 | 28420 | 25280 | 24050 | 22819 | 21588 | 20358 | 19127 |
| 27 | 52233 | 37130 | 35000 | 33030 | 30981 | 28931 | 26882 |
| 28 | 28699 | 37502 | 35434 | 33366 | 31299 | 29231 | 27164 |
| 29 | 28861 | 36850 | 34881 | 32912 | 30943 | 28974 | 27005 |
| 30 | 35817 | 31144 | 29636 | 28528 | 27220 | 25912 | 24604 |
| 31 | 11963 | 16506 | 16601 | 16617 | 16972 | 17128 | 17283 |
| 32 | 11858 | 15167 | 15485 | 15782 | 16080 | 16378 | 16675 |
| 33 | 11895 | 11895 | 12549 | 13202 | 13856 | 14510 | 15163 |
| 34 | 11796 | 11796 | 12475 | 13155 | 13834 | 14514 | 15193 |
| 35 | 11933 | 11933 | 12633 | 13333 | 14033 | 14732 | 15432 |

Table I-82
Navy Officer Pay Component of ACOL

FILE: ACOLMATO PAGE2N A1

VM/SP CONVERSATIONAL MONITOR SYSTEM

ACOL OUTPUT DATE OF RUN: 11/21/83 16:25:38 BASE YEAR: SEVEN YEAR AVG.
SERVICE: NAVY OFFICERS 14 **AGGREGATE**
CURRENT
YR VISTED: 20 20 20 20 20 20 20 20
ANNUITY AGE: 42 42 42 42 42 42 42 42
MULTIPLIER: .025 .025 .025 .025 .025 .025 .025 .025
DECREMENTED? Y Y Y Y Y Y Y N
PAY CHANGES? N N N N N N N N
BETA WT.: .000065 .000065 .000065 .000065 .000065 .000065 .000065 .000065
ENLOS: .000 .000 .000 .000 .000 .000 .000 .000
COLA ADJ? N N N N N N N N
AVG. CPI: .000 .000 .000 .000 .000 .000 .000 .000
--- ACOL PAY COMPONENT ---
CASE NO. 1 2 3 4 5 6 7
YEAR OF SERVICE
2 5514 5103 5787 5787 5787 5917 5917 6437
3 5935 6082 6082 6761 6761 6761 6892 7415
4 6507 6587 6735 6735 7426 7426 7561 8099
5 7057 6583 7057 7057 7210 7925 8066 8623
6 7136 6615 6615 7136 7303 8077 8077 8825
7 6700 6700 6700 6700 7277 7457 8288 9084
8 6711 6711 6711 6711 6711 7343 8441 9204
9 6869 6869 6869 6869 6869 6869 7765 9625
10 7005 7005 7005 7005 7005 7005 7805 9956
11 7414 7414 7414 7414 7414 7414 7414 10467
12 7576 7576 7576 7576 7576 7576 7576 10834
13 7871 7871 7871 7871 7871 7871 7871 11209
14 8074 8074 8074 8074 8074 8074 8074 11705
15 8506 8506 8506 8506 8506 8506 8506 12238
16 8893 8893 8893 8893 8893 8893 8893 12740
17 9300 9300 9300 9300 9300 9300 9300 13261
18 9438 9438 9438 9438 9438 9438 9438 13696
19 9924 9924 9924 9924 9924 9924 9924 14228
20 9853 9853 9853 9853 9853 9853 9853 14681
21 10631 10631 10631 10631 10631 10631 10631 15215
22 12917 12917 12917 12917 12917 12917 12917 15743
23 13706 13706 13706 13706 13706 13706 13706 16083
24 13620 13620 13620 13620 13620 13620 13620 16384
25 14268 14268 14268 14268 14268 14268 14268 16752
26 14742 12974 12974 12974 12974 12974 12974 17107
27 16633 16633 16633 16633 16633 16633 16633 17743
28 16826 16826 16826 16826 16826 16826 16826 17929
29 17159 17159 17159 17159 17159 17159 17159 18134
30 18065 18065 18065 18065 18065 18065 18065 18339
31 18061 18061 18061 18061 18061 18061 18061 18406
32 18163 18163 18163 18163 18163 18163 18163 18508
33 18432 18432 18432 18432 18432 18432 18432 18640
34 18590 18590 18590 18590 18590 18590 18590 18755
35 18931 18931 18931 18931 18931 18931 18931 18931

Table I-83
Navy Officer Retirement Component of ACOL

FILE: ACOLMATO PAGE3N A1

VM/SP CONVERSATIONAL MONITOR SYSTEM

ACOL OUTPUT DATE OF RUN: 11/21/83 16:25:38 BASE YEAR: SEVEN YEAR AVG.
SERVICE: NAVY OFFICERS 14 **AGGREGATE**
CURRENT

| | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
|--------------|---------|---------|---------|---------|---------|---------|---------|---------|
| YE VESTED: | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| ANNUITY AGE: | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42 |
| MULTIPLIER: | .025 | .025 | .025 | .025 | .025 | .025 | .025 | .025 |
| DECREMENTED? | Y | Y | Y | Y | Y | Y | Y | N |
| PAY CHANGES? | N | N | N | N | N | N | N | N |
| BETA WT.: | .000065 | .000065 | .000065 | .000065 | .000065 | .000065 | .000065 | .000065 |
| ENLOSS: | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| COLA ADJ? | N | N | N | N | N | N | N | N |
| AVG. CPI: | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |

--- ACOL RETIREMENT COMPONENT ---

| CASE NO. | BASE | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|-----------------|--------|--------|--------|--------|--------|--------|--------|---|
| YEAR OF SERVICE | | | | | | | | |
| 2 | 4896 | 5098 | 3960 | 3520 | 3080 | 2522 | 2102 | 0 |
| 3 | 6036 | 5623 | 5061 | 3862 | 3379 | 2897 | 2304 | 0 |
| 4 | 6673 | 6367 | 5583 | 4963 | 3701 | 3172 | 2520 | 0 |
| 5 | 7378 | 7536 | 6336 | 5632 | 4791 | 3471 | 2754 | 0 |
| 6 | 8167 | 8421 | 7579 | 6234 | 5200 | 3798 | 3165 | 0 |
| 7 | 9647 | 9440 | 8496 | 7552 | 6048 | 5013 | 3465 | 0 |
| 8 | 10854 | 10621 | 9559 | 8497 | 7434 | 5760 | 3795 | 0 |
| 9 | 12272 | 12008 | 10807 | 9507 | 8406 | 7205 | 5137 | 0 |
| 10 | 13961 | 13660 | 12294 | 10928 | 9562 | 8196 | 6830 | 0 |
| 11 | 16002 | 15657 | 14092 | 12526 | 10960 | 9394 | 7829 | 0 |
| 12 | 18509 | 18111 | 16300 | 14489 | 12677 | 10866 | 9055 | 0 |
| 13 | 21664 | 21198 | 19078 | 16958 | 14838 | 12719 | 10599 | 0 |
| 14 | 25742 | 25188 | 22669 | 20150 | 17631 | 15113 | 12594 | 0 |
| 15 | 31206 | 30534 | 27480 | 24427 | 21374 | 18320 | 15267 | 0 |
| 16 | 38883 | 38046 | 34241 | 30437 | 26632 | 22828 | 19023 | 0 |
| 17 | 50452 | 49365 | 44428 | 39492 | 34555 | 29619 | 24682 | 0 |
| 18 | 69782 | 68279 | 61451 | 54623 | 47795 | 40987 | 34139 | 0 |
| 19 | 108538 | 106200 | 95580 | 84960 | 74340 | 63720 | 53100 | 0 |
| 20 | 224900 | 220153 | 198138 | 176123 | 154107 | 132092 | 110077 | 0 |
| 21 | 19646 | 16936 | 15242 | 13548 | 11855 | 10161 | 8468 | 0 |
| 22 | 20559 | 17194 | 15475 | 13755 | 12036 | 10317 | 8597 | 0 |
| 23 | 23858 | 21542 | 19388 | 17234 | 15080 | 12925 | 10771 | 0 |
| 24 | 11642 | 18456 | 16610 | 14765 | 12919 | 11074 | 9228 | 0 |
| 25 | 12214 | 16061 | 14455 | 12849 | 11243 | 9637 | 8030 | 0 |
| 26 | 13678 | 12307 | 11076 | 9845 | 8615 | 7384 | 6153 | 0 |
| 27 | 35600 | 20486 | 18447 | 16397 | 14347 | 12298 | 10248 | 0 |
| 28 | 11073 | 20676 | 18608 | 16541 | 14473 | 12406 | 10335 | 0 |
| 29 | 11702 | 19691 | 17722 | 15753 | 13784 | 11815 | 9846 | 0 |
| 30 | 17753 | 13079 | 11771 | 10463 | 9155 | 7847 | 6548 | 0 |
| 31 | -6097 | -1555 | -1400 | -1244 | -1069 | -933 | -778 | 0 |
| 32 | -6305 | -2976 | -2678 | -2381 | -2083 | -1785 | -1488 | 0 |
| 33 | -6537 | -6537 | -5883 | -5229 | -4576 | -3922 | -3268 | 0 |
| 34 | -6764 | -6794 | -6115 | -5436 | -4756 | -4077 | -3397 | 0 |
| 35 | -6938 | -6998 | -6298 | -5599 | -4899 | -4199 | -3499 | 0 |

Table I-84
Navy Officer Force Structures

FILE: ACOLMATO PAGE#4N A1

VM/SP CONVERSATIONAL MONITOR SYSTEM

ACOL OUTPUT DATE OF RUN: 11/21/83 16:25:38 BASE YEAR: SEVEN YEAR AVG.
SERVICE: NAVY OFFICERS 14 **ACGRFGATE**
CURRENT
YR VESTED: 20 20 20 20 20 20 20 20
ANNUITY AGE: 42 42 42 42 42 42 42 42
MULTIPLIER: .025 .025 .025 .025 .025 .025 .025 .025
DECREMENTED? Y Y Y Y Y Y Y Y
PAY CHANGES? N N N N N N N N
BETA WT.: .000005 .000005 .000005 .000005 .000005 .000005 .000005 .000005
ENLOSS: .000 .000 .000 .000 .000 .000 .000 .000
COLA ADJ? N N N N N N N N
AVG. CPI: .000 .000 .000 .000 .000 .000 .000 .000

--- FORCE TABLE ---
CASE NO. 1 2 3 4 5 6 7
YEAR OF SERVICE

| | | | | | | | | |
|----|------|------|------|------|------|------|------|------|
| 1 | 2114 | 6146 | 6392 | 6661 | 6934 | 7213 | 7493 | 8671 |
| 2 | 5879 | 5988 | 6145 | 6393 | 6658 | 6912 | 7174 | 8275 |
| 3 | 5472 | 5463 | 5700 | 5917 | 6142 | 6376 | 6597 | 7543 |
| 4 | 4968 | 4972 | 5145 | 5324 | 5511 | 5700 | 5887 | 6657 |
| 5 | 4355 | 4357 | 4486 | 4619 | 4758 | 4899 | 5037 | 5592 |
| 6 | 3783 | 3696 | 3778 | 3862 | 3949 | 4038 | 4126 | 4464 |
| 7 | 3173 | 3162 | 3207 | 3252 | 3298 | 3345 | 3394 | 3570 |
| 8 | 2761 | 2747 | 2763 | 2778 | 2791 | 2805 | 2823 | 2882 |
| 9 | 2420 | 2474 | 2474 | 2471 | 2406 | 2469 | 2458 | 2450 |
| 10 | 2293 | 2276 | 2264 | 2249 | 2231 | 2211 | 2193 | 2137 |
| 11 | 2035 | 2016 | 1989 | 1959 | 1924 | 1887 | 1851 | 1731 |
| 12 | 1834 | 1814 | 1778 | 1738 | 1693 | 1646 | 1598 | 1436 |
| 13 | 1707 | 1688 | 1648 | 1604 | 1555 | 1503 | 1450 | 1266 |
| 14 | 1617 | 1598 | 1555 | 1507 | 1455 | 1399 | 1341 | 1135 |
| 15 | 1559 | 1540 | 1494 | 1443 | 1387 | 1327 | 1264 | 1031 |
| 16 | 1516 | 1496 | 1448 | 1394 | 1334 | 1269 | 1201 | 933 |
| 17 | 1474 | 1454 | 1404 | 1346 | 1282 | 1211 | 1134 | 892 |
| 18 | 1423 | 1403 | 1350 | 1287 | 1215 | 1132 | 1040 | 565 |
| 19 | 1377 | 1362 | 1308 | 1247 | 1175 | 1090 | 993 | 480 |
| 20 | 1302 | 1319 | 1268 | 1208 | 1138 | 1056 | 961 | 281 |
| 21 | 979 | 947 | 881 | 810 | 735 | 655 | 571 | 150 |
| 22 | 811 | 752 | 683 | 612 | 540 | 467 | 393 | 90 |
| 23 | 701 | 636 | 565 | 493 | 422 | 353 | 287 | 55 |
| 24 | 601 | 575 | 504 | 435 | 367 | 302 | 241 | 43 |
| 25 | 509 | 504 | 436 | 370 | 307 | 248 | 194 | 32 |
| 26 | 433 | 415 | 354 | 296 | 241 | 192 | 147 | 23 |
| 27 | 329 | 359 | 301 | 246 | 196 | 152 | 113 | 15 |
| 28 | 268 | 312 | 257 | 206 | 160 | 121 | 88 | 10 |
| 29 | 213 | 276 | 223 | 176 | 134 | 99 | 70 | 7 |
| 30 | 166 | 227 | 180 | 140 | 105 | 76 | 52 | 5 |
| 31 | 95 | 145 | 116 | 90 | 68 | 49 | 34 | 3 |
| 32 | 54 | 90 | 72 | 57 | 43 | 31 | 22 | 2 |
| 33 | 31 | 51 | 42 | 33 | 26 | 19 | 14 | 1 |
| 34 | 18 | 29 | 24 | 20 | 15 | 12 | 8 | 1 |
| 35 | 10 | 15 | 14 | 12 | 9 | 7 | 5 | 1 |

TTL INDSTRENGTH 62255 62255 62255 62255 62255 62255 62255 62255
EXP. SERV. LIFE 10 10 10 9 9 9 8 7

Table I-85
Navy Nonprior Service Officer Reenlistment Rates

FILE: ACOLMATO PAGE5M A1

VM/SP CONVERSATIONAL MONITOR SYSTEM

ACOL OUTPUT-- DATE OF RUN: 11/21/83 16:25:38 BASE YEAR: SEVEN YEAR AVG.
SERVICE: NAVY OFFICERS 14 **AGGREGATE**
CURRENT

| | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
|--------------|---------|---------|---------|---------|---------|---------|---------|---------|
| IN VESTED: | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42 |
| ANNUITY AGE: | .025 | .025 | .025 | .025 | .025 | .025 | .025 | .025 |
| MULTIPLIER: | Y | Y | Y | Y | Y | Y | Y | Y |
| DECREMENTED? | N | N | N | N | N | N | N | N |
| PAY CHANGES? | .000065 | .000065 | .000065 | .000065 | .000065 | .000065 | .000065 | .000065 |
| BETA WT.: | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| ENLOSS: | N | N | N | N | N | N | N | N |
| COLA ADJ? | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| ATG. CPI: | | | | | | | | |

--- REENLISTMENT RATES ---
CASE NO. : BASE

| YEAR OF SERVICE | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|-----------------|-------|-------|-------|-------|-------|-------|-------|
| 1 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 2 | .964 | .963 | .962 | .961 | .960 | .959 | .958 |
| 3 | .914 | .913 | .910 | .907 | .904 | .901 | .899 |
| 4 | .897 | .896 | .892 | .889 | .885 | .882 | .880 |
| 5 | .862 | .859 | .854 | .848 | .842 | .837 | .831 |
| 6 | .823 | .820 | .812 | .804 | .795 | .788 | .781 |
| 7 | .825 | .823 | .814 | .805 | .795 | .786 | .778 |
| 8 | .837 | .835 | .825 | .815 | .804 | .793 | .784 |
| 9 | .858 | .858 | .848 | .837 | .825 | .813 | .803 |
| 10 | .919 | .917 | .910 | .903 | .895 | .886 | .877 |
| 11 | .891 | .889 | .879 | .867 | .855 | .842 | .828 |
| 12 | .925 | .924 | .915 | .905 | .895 | .883 | .870 |
| 13 | .966 | .965 | .956 | .944 | .930 | .914 | .897 |
| 14 | .977 | .976 | .972 | .967 | .961 | .955 | .947 |
| 15 | .904 | .903 | .900 | .895 | .889 | .883 | .876 |
| 16 | .929 | .928 | .925 | .921 | .916 | .910 | .904 |
| 17 | .991 | .990 | .987 | .982 | .975 | .966 | .954 |
| 18 | .993 | .992 | .987 | .980 | .969 | .953 | .929 |
| 19 | .995 | .990 | .989 | .987 | .985 | .980 | .970 |
| 20 | .971 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | .999 |
| 21 | .752 | .710 | .695 | .671 | .646 | .621 | .594 |
| 22 | .828 | .795 | .770 | .750 | .734 | .712 | .689 |
| 23 | .864 | .845 | .826 | .805 | .782 | .757 | .731 |
| 24 | .858 | .804 | .803 | .881 | .868 | .854 | .838 |
| 25 | .846 | .876 | .864 | .851 | .838 | .823 | .807 |
| 26 | .851 | .823 | .811 | .799 | .786 | .772 | .758 |
| 27 | .761 | .867 | .850 | .833 | .813 | .792 | .769 |
| 28 | .798 | .869 | .853 | .836 | .816 | .795 | .772 |
| 29 | .817 | .883 | .869 | .854 | .837 | .819 | .799 |
| 30 | .782 | .822 | .809 | .795 | .781 | .766 | .751 |
| 31 | .572 | .640 | .642 | .644 | .647 | .649 | .651 |
| 32 | .572 | .620 | .624 | .629 | .633 | .638 | .642 |
| 33 | .572 | .568 | .579 | .580 | .581 | .589 | .619 |
| 34 | .572 | .567 | .577 | .588 | .599 | .609 | .620 |
| 35 | .572 | .569 | .580 | .591 | .602 | .613 | .624 |

Table I-86
Navy Officer Continuation Rates

FILE: ACOLMATO PACF6N A1

VM/SP CONVERSATIONAL MONITOR SYSTEM

ACOL OUTPUT DATE OF RUN: 11/21/83 16:25:38 BASE YEAR: SEVEN YEAR AVG.
SERVICE: NAVY OFFICERS 14 **AGGREGATE**
CURRENT
YR VESTED: 20 20 20 20 20 20 20 20
ANNUITY AGF: 42 42 42 42 42 42 42 42
MULTIPLIER: .025 .025 .025 .025 .025 .025 .025 .025
DECREMENTED? Y Y Y Y Y Y Y Y
PAY CHANGES? N N N N N N N N
RETA WT.: .000000 .000000 .000000 .000000 .000000 .000000 .000000 .000000
INLCS: .000 .000 .000 .000 .000 .000 .000 .000
COLA ADJ: N N N N N N N N
AVG. CPI: .000 .000 .000 .000 .000 .000 .000 .000
--- CONTINUATION RATES ---
CASE NO. : BASE 1 2 3 4 5 6 7
YEAR OF SERVICE
1 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000
2 .982 .981 .980 .980 .959 .958 .957 .954
3 .931 .930 .928 .928 .924 .922 .920 .912
4 .886 .885 .882 .880 .897 .895 .892 .883
5 .878 .876 .872 .868 .863 .859 .856 .848
6 .850 .848 .842 .836 .830 .824 .819 .798
7 .857 .856 .849 .842 .835 .828 .823 .800
8 .870 .869 .861 .854 .846 .839 .832 .807
9 .902 .901 .895 .890 .883 .877 .870 .850
10 .921 .920 .915 .910 .905 .899 .893 .872
11 .887 .886 .879 .871 .862 .853 .844 .810
12 .901 .900 .894 .887 .880 .872 .863 .829
13 .931 .930 .927 .923 .918 .913 .907 .882
14 .947 .947 .943 .940 .936 .931 .925 .896
15 .964 .963 .961 .957 .953 .948 .943 .908
16 .972 .972 .969 .966 .962 .957 .951 .905
17 .973 .972 .969 .966 .960 .954 .944 .866
18 .965 .965 .961 .956 .948 .935 .917 .785
19 .968 .971 .970 .969 .967 .963 .955 .789
20 .945 .968 .968 .968 .968 .968 .968 .783
21 .752 .718 .695 .671 .646 .621 .594 .532
22 .828 .765 .776 .756 .734 .712 .689 .603
23 .864 .845 .826 .805 .782 .757 .731 .611
24 .858 .84 .893 .881 .868 .854 .838 .773
25 .846 .876 .864 .851 .838 .823 .807 .745
26 .851 .823 .811 .799 .786 .772 .758 .733
27 .761 .867 .850 .833 .813 .792 .769 .640
28 .790 .869 .853 .836 .816 .795 .772 .659
29 .817 .883 .869 .854 .837 .819 .799 .690
30 .762 .822 .809 .795 .781 .766 .751 .667
31 .572 .640 .642 .644 .647 .649 .651 .668
32 .572 .620 .624 .629 .633 .638 .642 .669
33 .572 .568 .579 .589 .599 .609 .619 .671
34 .572 .567 .577 .588 .599 .609 .620 .673
35 .572 .569 .580 .591 .602 .613 .624 .675

Table I-87
Navy Officer Survival Rates

FILE: ACOLMATO PAGE 7M A1

VM/SP CONVERSATIONAL MONITOR SYSTEM

| ACOL OUTPUT | | DATE OF RUN: 11/21/83 | | 16:25:36 BASE YEAR: SEVEN YEAR AVG. | | | | |
|------------------------|---------|-----------------------|---------|-------------------------------------|---------|---------|---------|---------|
| SERVICE: NAVY | | OFFICERS | | 14 **AGGREGATE** | | | | |
| CURRENT | | | | | | | | |
| YR VESTED: | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| ANNUITY AGE: | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42 |
| MULTIPLIER: | .025 | .025 | .025 | .025 | .025 | .025 | .025 | .025 |
| DECREMENTED? | Y | Y | Y | Y | Y | Y | Y | Y |
| PAY CHANGES? | N | N | N | N | N | N | N | N |
| BETA WT.: | .000005 | .000005 | .000005 | .000005 | .000005 | .000005 | .000005 | .000005 |
| ENLOSS: | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| COLA ADJ? | N | N | N | N | N | N | N | N |
| AVG. CPI: | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| --- SURVIVAL RATES --- | | | | | | | | |
| CASI NO. | 1 | 2 | 3 | 4 | 5 | 6 | 7 | |
| YEAR OF SERVICE | 1 | 2 | 3 | 4 | 5 | 6 | 7 | |
| 1 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | |
| 2 | .962 | .961 | .960 | .960 | .959 | .958 | .957 | .954 |
| 3 | .895 | .894 | .891 | .889 | .888 | .885 | .880 | .870 |
| 4 | .811 | .809 | .804 | .799 | .795 | .790 | .786 | .780 |
| 5 | .712 | .709 | .701 | .694 | .688 | .679 | .672 | .665 |
| 6 | .606 | .601 | .590 | .580 | .569 | .556 | .551 | .515 |
| 7 | .519 | .515 | .501 | .488 | .476 | .464 | .453 | .412 |
| 8 | .452 | .447 | .432 | .417 | .403 | .389 | .377 | .332 |
| 9 | .407 | .402 | .387 | .371 | .356 | .341 | .328 | .283 |
| 10 | .375 | .370 | .354 | .338 | .322 | .307 | .293 | .248 |
| 11 | .333 | .328 | .311 | .294 | .277 | .262 | .247 | .200 |
| 12 | .300 | .295 | .278 | .261 | .244 | .228 | .213 | .166 |
| 13 | .279 | .275 | .258 | .241 | .224 | .208 | .193 | .146 |
| 14 | .265 | .260 | .243 | .226 | .210 | .194 | .179 | .131 |
| 15 | .255 | .250 | .234 | .217 | .200 | .184 | .169 | .119 |
| 16 | .248 | .243 | .226 | .209 | .192 | .176 | .160 | .108 |
| 17 | .241 | .237 | .219 | .202 | .185 | .168 | .151 | .092 |
| 18 | .233 | .228 | .211 | .193 | .175 | .157 | .139 | .085 |
| 19 | .225 | .222 | .205 | .187 | .169 | .151 | .133 | .066 |
| 20 | .215 | .215 | .198 | .181 | .164 | .146 | .128 | .052 |
| 21 | .160 | .154 | .138 | .122 | .106 | .091 | .076 | .017 |
| 22 | .133 | .122 | .107 | .092 | .078 | .065 | .052 | .010 |
| 23 | .115 | .103 | .088 | .074 | .061 | .049 | .038 | .006 |
| 24 | .098 | .094 | .079 | .065 | .053 | .042 | .032 | .005 |
| 25 | .083 | .082 | .068 | .056 | .044 | .034 | .026 | .004 |
| 26 | .071 | .067 | .055 | .044 | .035 | .027 | .020 | .003 |
| 27 | .054 | .058 | .047 | .037 | .028 | .021 | .015 | .002 |
| 28 | .043 | .051 | .040 | .031 | .023 | .017 | .012 | .001 |
| 29 | .035 | .045 | .035 | .026 | .019 | .014 | .009 | .001 |
| 30 | .027 | .037 | .028 | .021 | .015 | .010 | .007 | .001 |
| 31 | .016 | .024 | .018 | .014 | .010 | .007 | .005 | .000 |
| 32 | .009 | .015 | .011 | .008 | .006 | .004 | .003 | .000 |
| 33 | .005 | .008 | .007 | .005 | .004 | .003 | .002 | .000 |
| 34 | .003 | .005 | .004 | .003 | .002 | .002 | .001 | .000 |
| 35 | .002 | .003 | .002 | .002 | .001 | .001 | .001 | .000 |

Table I-88
Navy Officer Present Value Gap

FILE: NO14 PVGN A1 VM/SP CONVERSATIONAL MONITOR SYSTEM

ACOL OUTPUT DATE OF RUN: 11/21/83 16:25:38 FASL YEAR: SEVEN YEAR AVG.
SERVICE: NAVY OFFICERS 14 **AGGREGATE**
CURRENT
YR VESTED: 20 20 20 20 20 20 20 20
ANNUITY AGE: 42 42 42 42 42 42 42 42
MULTIPLIER: .025 .025 .025 .025 .025 .025 .025 .025
DECREMENTED? Y Y Y Y Y Y Y Y
PAY CHANGES? N N N N N N N N
BETA WT.: .000065 .000065 .000065 .000065 .000065 .000065 .000065 .000065
ENLOSS: .000 .000 .000 .000 .000 .000 .000 .000
COLA ADJ? N N N N N N N N
AVG-CPI: .000 .000 .000 .000 .000 .000 .000 .000
--- 1: PRESENT VALUE GAP 2: YR PV MAX ---
CASE NO. : BASE 1 2 3 4 5 6 7
YEAR OF SERVICE
2 114803 -7261 -4691 -9662 -14633 -18445 -23245 -38110
2 26 23 28 28 29 29 34
3 125485 -481 -6418 -3088 -8651 -14213 -18288 -34922
3 21 22 22 27 27 28 33
4 138688 -3196 -7078 -13698 -9542 -15677 -20171 -38519
4 20 21 21 26 26 27 32
5 149517 -15297 -10792 -18084 -22257 -17167 -22088 -42178
5 19 19 19 20 25 26 31
6 156090 -16074 -24482 -19711 -24268 -18712 -26035 -45974
6 18 15 18 19 24 24 38
7 147059 -1808 -10356 -18843 -17818 -18714 -12843 -33718
7 14 14 14 17 18 23 29
8 152027 -2023 -11215 -20407 -29608 -24313 -13843 -36516
8 13 13 13 13 16 22 28
9 158249 -2185 -12113 -22048 -31967 -41895 -31946 -39437
9 12 12 12 12 12 16 27
10 164485 -2358 -13069 -23781 -34493 -45285 -55916 -42553
10 11 11 11 11 11 11 26
11 172858 -2544 -14182 -25668 -37218 -48778 -60334 -45915
11 10 10 10 10 10 10 25
12 179124 -2737 -15174 -27618 -40846 -52483 -64919 -49484
12 9 9 9 9 9 9 24
13 186449 -2945 -16327 -29708 -43098 -56471 -69853 -53159
13 8 8 8 8 8 8 23
14 193128 -3166 -17551 -31937 -46322 -60787 -75892 -57146
14 7 7 7 7 7 7 22
15 201124 -3404 -18268 -34332 -49706 -65268 -80724 -61432
15 6 6 6 6 6 6 21
16 208364 -3652 -20245 -36838 -53431 -70024 -86617 -65916
16 5 5 5 5 5 5 20
17 215703 -3923 -21743 -39564 -57385 -75286 -93026 -72794
17 4 4 4 4 4 4 19
18 221856 -4289 -23331 -42452 -61574 -80896 -99817 -75962
18 3 3 3 3 3 3 18
19 228665 -4516 -25834 -45551 -66069 -86586 -107184 -81507
19 2 2 2 2 2 2 17
20 234852 -4846 -26861 -48876 -70892 -92987 -114922 -87457
20 1 1 1 1 1 1 16
21 24277 -2718 -4404 -6298 -7791 -9485 -11178 117168
21 1 1 1 1 1 1 15

Table I-88 (Con't)
Navy Officer Present Value Gap

| FILE: N014 | PVGN | A1 | VM/SP CONVERSATIONAL MONITOR SYSTEM | | | | | |
|------------|-------|--------|-------------------------------------|--------|--------|--------|--------|--------|
| 22 | 33476 | -3365 | -5084 | -6884 | -8523 | -10243 | -11962 | 113052 |
| 22 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 14 |
| 23 | 37564 | -2315 | -4470 | -6624 | -8778 | -10932 | -13087 | 105667 |
| 23 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 13 |
| 24 | 25271 | 6814 | 4969 | 3123 | 1278 | -568 | -2414 | 113580 |
| 24 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 12 |
| 25 | 26482 | 3847 | 2241 | 635 | -971 | -2577 | -4184 | 107505 |
| 25 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 11 |
| 26 | 54980 | -29700 | -32931 | -32161 | -33392 | -34623 | -35853 | 73359 |
| 26 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 10 |
| 27 | 52233 | -15104 | -17153 | -19203 | -21253 | -23302 | -25352 | 71208 |
| 27 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 9 |
| 28 | 28699 | 8803 | 6735 | 4668 | 2600 | 532 | -1535 | 85692 |
| 28 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 8 |
| 29 | 28861 | 7989 | 6820 | 4051 | 2082 | 113 | -1856 | 75631 |
| 29 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 |
| 30 | 35817 | -4674 | -5982 | -7289 | -8597 | -9905 | -11213 | 57717 |
| 30 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 6 |
| 31 | 11963 | 4542 | 4698 | 4853 | 5009 | 5164 | 5320 | 68789 |
| 31 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 5 |
| 32 | 11858 | 3329 | 3627 | 3924 | 4222 | 4520 | 4817 | 55222 |
| 32 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 4 |
| 33 | 11895 | 0 | 654 | 1307 | 1961 | 2615 | 3268 | 40446 |
| 33 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 3 |
| 34 | 11796 | 0 | 679 | 1359 | 2038 | 2718 | 3397 | 24487 |
| 34 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 |
| 35 | 11933 | 0 | 700 | 1400 | 2099 | 2799 | 3499 | 6998 |
| 35 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

Table I-90 Navy Officer 30% Decrement to Multiplier Force Grade Strengths

| | | | | | | | | | | | | | | |
|---------------|------------------------------|--------------------------------------|-------------------------------------|-----------------|------|------|---|---|---|-------|--------|-------|------|-------|
| FILE: NO1470 | 30FFCH | A1 | VM/SP CONVERSATIONAL MONITOR SYSTEM | PAGE 001 | | | | | | | | | | |
| ACOL OUTPUT | DATE OF RUN: 11/21/83 | 16:25:38 | BASE YEAR: SEVEN YEAR AVG | | | | | | | | | | | |
| SERVICE: NAVY | OFFICERS | 14 | AGGREGATE | | | | | | | | | | | |
| CURRENT | | | | | | | | | | | | | | |
| USN 14 ACOL | VEST-20:AND-42:MULT-0.625:HI | AVG-3:DEC-YICHPAY-MIDUAL TRX-M:DETA- | 0.00065:ENLOSSES | 0.00:INC COLA-M | | | | | | | | | | |
| LOS | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | TOTAL | LOSSES | LOSS | RTM | COMT |
| 1 | 6934 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6934 | 285 | .641 | .950 | 1.000 |
| 2 | 6650 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6650 | 500 | .876 | .926 | .950 |
| 3 | 0 | 6142 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6142 | 631 | .183 | .897 | .898 |
| 4 | 0 | 5311 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5311 | 753 | .137 | .863 | .795 |
| 5 | 0 | 0 | 4758 | 0 | 0 | 0 | 0 | 0 | 0 | 4758 | 809 | .170 | .830 | .686 |
| 6 | 0 | 0 | 3949 | 0 | 0 | 0 | 0 | 0 | 0 | 3949 | 651 | .165 | .835 | .569 |
| 7 | 0 | 0 | 3298 | 0 | 0 | 0 | 0 | 0 | 0 | 3298 | 566 | .154 | .846 | .476 |
| 8 | 0 | 0 | 2787 | 0 | 0 | 0 | 0 | 0 | 0 | 2787 | 325 | .117 | .883 | .483 |
| 9 | 0 | 0 | 2374 | 0 | 0 | 0 | 0 | 0 | 0 | 2374 | 235 | .095 | .905 | .350 |
| 10 | 0 | 0 | 1768 | 0 | 0 | 0 | 0 | 0 | 0 | 1768 | 367 | .138 | .862 | .322 |
| 11 | 0 | 0 | 643 | 0 | 0 | 0 | 0 | 0 | 0 | 643 | 1924 | .231 | .880 | .277 |
| 12 | 0 | 0 | 454 | 0 | 0 | 0 | 0 | 0 | 0 | 454 | 1693 | .138 | .918 | .244 |
| 13 | 0 | 0 | 1396 | 0 | 0 | 0 | 0 | 0 | 0 | 1396 | 1555 | .100 | .936 | .224 |
| 14 | 0 | 0 | 41 | 0 | 0 | 0 | 0 | 0 | 0 | 41 | 1455 | .064 | .953 | .210 |
| 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1387 | .53 | .962 | .200 |
| 16 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1334 | .53 | .960 | .192 |
| 17 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1282 | .67 | .948 | .185 |
| 18 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1215 | .40 | .967 | .175 |
| 19 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1175 | .37 | .968 | .169 |
| 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1138 | .482 | .954 | .164 |
| 21 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 735 | .195 | .734 | .186 |
| 22 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 548 | .118 | .782 | .078 |
| 23 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 422 | .56 | .868 | .061 |
| 24 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 367 | .60 | .838 | .053 |
| 25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 307 | .66 | .786 | .044 |
| 26 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 241 | .45 | .813 | .035 |
| 27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 196 | .36 | .816 | .028 |
| 28 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 167 | .28 | .837 | .023 |
| 29 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 134 | .29 | .781 | .019 |
| 30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 105 | .37 | .647 | .015 |
| 31 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 68 | .25 | .633 | .010 |
| 32 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 43 | .17 | .599 | .006 |
| 33 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 26 | .10 | .599 | .004 |
| 34 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 15 | .6 | .598 | .001 |
| 35 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 1.000 | .888 | .001 |
| TOTAL | 13584 | 11653 | 28228 | 9671 | 5358 | 1769 | 0 | 0 | 0 | 62255 | 6934 | .192 | .888 | 8.978 |
| PERCENT | 22 | 19 | 32 | 16 | 9 | 3 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 |
| CHILLING | 14 | 14 | 34 | 20 | 12 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Table I-91
Navy Officer Cost Summary

FILE: COST14NO COSTON A1

VM/SP CONVERSATIONAL MONITOR SYSTEM

ACOL OUTPUT DATE OF RUN: 11/21/83 16:25:38 PAGE YEAR: SEVEN YEAR AVG.
SERVICE: NAVY OFFICERS 14 **AGGREGATE**
CURRENT

| | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
|--------------|---------|---------|---------|---------|---------|---------|---------|---------|
| IN VESTED: | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| ANNUITY AGE: | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42 |
| MULTIPLIER: | .025 | .025 | .025 | .025 | .025 | .025 | .025 | .025 |
| DECREMENTED? | Y | Y | Y | Y | Y | Y | Y | N |
| PAY CHANGES? | N | N | N | N | N | N | N | N |
| BETA WT.: | .000065 | .000065 | .000065 | .000065 | .000065 | .000065 | .000065 | .000065 |
| ENLOSS: | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| COLA ADJ? | N | N | N | N | N | N | N | N |
| AVG. CPI: | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |

--- SUMMARY TABLE : MILITARY PAY (MIL'S) FOR YEAR 81 ---

| CASE NO. : BASE | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|-----------------|---------|---------|---------|---------|---------|---------|---------|
| YEAR OF SERVICE | | | | | | | |
| 1 - 4 YEARS | 462.55 | 464.42 | 482.13 | 500.67 | 519.90 | 539.46 | 558.94 |
| 5 - 10 YEARS | 603.32 | 601.21 | 609.32 | 617.37 | 625.41 | 633.61 | 642.04 |
| 11 - 20 YEARS | 648.39 | 634.38 | 615.83 | 594.69 | 570.77 | 544.21 | 515.52 |
| 21 - 30 YEARS | 252.69 | 253.94 | 222.01 | 191.12 | 161.59 | 133.81 | 108.07 |
| MORE THAN 30 Y | 11.57 | 18.39 | 14.89 | 11.72 | 8.94 | 6.57 | 4.63 |
| -- TOTAL -- | 1970.70 | 1972.27 | 1944.18 | 1915.56 | 1886.61 | 1857.66 | 1829.20 |

--- MILITARY PAY (MIL'S) FOR YEAR 81, BY SOURCE ---

| CASE NO. : BASE | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|-----------------|---------|---------|---------|---------|---------|---------|---------|
| YEAR OF SERVICE | | | | | | | |
| BAS PAY | 1447.56 | 1449.94 | 1426.46 | 1402.77 | 1378.92 | 1355.24 | 1332.08 |
| SAS | 80.83 | 80.83 | 80.82 | 80.82 | 80.83 | 80.83 | 80.82 |
| VNA | 61.15 | 61.10 | 60.36 | 59.58 | 58.79 | 57.97 | 57.15 |
| BAQ | 267.93 | 267.97 | 265.28 | 262.51 | 259.70 | 256.88 | 254.09 |
| S+I | 113.25 | 112.43 | 111.23 | 109.87 | 108.37 | 106.75 | 105.06 |
| XMAS BONUS | .00 | .00 | .00 | .00 | .00 | .00 | .00 |
| --TOTAL-- | 1970.70 | 1972.27 | 1944.18 | 1915.56 | 1886.61 | 1857.66 | 1829.20 |

--- SUMMARY TABLE : RETIREMENT (MIL'S) FOR YEAR 81 ---

| CASE NO. : BASE | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|-----------------|---------|---------|--------|--------|--------|--------|--------|
| YEAR OF SERVICE | | | | | | | |
| 1 - 4 YEARS | 5.35 | 5.33 | 5.14 | 4.89 | 4.57 | 4.17 | 3.70 |
| 5 - 10 YEARS | 56.62 | 55.76 | 53.29 | 50.29 | 46.69 | 42.44 | 37.47 |
| 11 - 20 YEARS | 320.24 | 323.15 | 300.96 | 275.46 | 247.19 | 217.19 | 184.09 |
| 21 - 30 YEARS | 646.09 | 564.66 | 480.55 | 398.07 | 320.28 | 247.27 | 181.55 |
| MORE THAN 30 Y | 78.47 | 118.53 | 85.56 | 58.86 | 39.17 | 24.34 | 14.09 |
| -- TOTAL -- | 1107.67 | 1067.43 | 925.50 | 788.37 | 657.71 | 535.41 | 420.89 |

TAX ADV(MIL'S): 173.69 174.06 170.52 166.95 163.37 159.82 156.36 142.5

-> -> -> -> TOTAL COST (MIL'S) FOR YEAR 81

| | 1970.70 | 1972.27 | 1944.18 | 1915.56 | 1886.61 | 1857.66 | 1829.20 | 1713.78 |
|-------------|---------|---------|---------|---------|---------|---------|---------|---------|
| MILITARY | 1970.70 | 1972.27 | 1944.18 | 1915.56 | 1886.61 | 1857.66 | 1829.20 | 1713.78 |
| RETIREMENT | 1107.67 | 1067.43 | 925.50 | 788.37 | 657.71 | 535.41 | 420.89 | .00 |
| DEATH BEN. | .23 | .23 | .23 | .23 | .22 | .20 | .19 | .18 |
| -- TOTAL -- | 3078.60 | 3039.94 | 2869.91 | 2704.15 | 2544.54 | 2393.28 | 2250.28 | 1713.96 |

Table I-92

USMC Officer Military versus Civilian Income Streams

FILE: ACOMATO INCOM A1

VM/SP CONVERSATIONAL MONITOR SYSTEM

***** INCOME STREAMS: MILITARY PAY *****

| SCENARIO NO. 0 | 0 : BASECASE | BAS | VHA | BAQ | SIPAY | TAXES | XPONUS | MILPAY | ANNUITY | CIVW |
|----------------|--------------|-------|-------|--------|-------|--------|--------|---------|---------|---------|
| 22 1 | 14605 | 1298 | 579 | 3651 | 0 | 2020 | 0 | 22154 | 0 | 22484 |
| 23 2 | 14605 | 1298 | 579 | 3635 | 0 | 2020 | 0 | 22138 | 0 | 23525 |
| 24 3 | 15952 | 1298 | 579 | 3682 | 2 | 2020 | 0 | 23513 | 0 | 24575 |
| 25 4 | 19224 | 1298 | 592 | 3799 | 289 | 2061 | 0 | 27263 | 0 | 25631 |
| 26 5 | 21904 | 1298 | 744 | 4306 | 34 | 2544 | 0 | 30829 | 0 | 26090 |
| 27 6 | 22060 | 1298 | 756 | 4382 | 52 | 2583 | 0 | 31131 | 0 | 27749 |
| 28 7 | 23199 | 1298 | 762 | 4446 | 51 | 2604 | 0 | 32361 | 0 | 28804 |
| 29 8 | 23209 | 1298 | 763 | 4513 | 53 | 2606 | 0 | 32442 | 0 | 29851 |
| 30 9 | 24048 | 1298 | 763 | 4496 | 170 | 2606 | 0 | 33381 | 0 | 30888 |
| 31 10 | 24107 | 1298 | 787 | 4593 | 67 | 2662 | 0 | 33515 | 0 | 31909 |
| 32 11 | 26288 | 1298 | 1028 | 4978 | 889 | 3213 | 0 | 37694 | 0 | 32913 |
| 33 12 | 26376 | 1298 | 1053 | 5037 | 1374 | 3269 | 0 | 38407 | 0 | 33893 |
| 34 13 | 28019 | 1298 | 1097 | 5091 | 792 | 3370 | 0 | 39667 | 0 | 34848 |
| 35 14 | 28128 | 1298 | 1119 | 5143 | 496 | 3452 | 0 | 39636 | 0 | 35773 |
| 36 15 | 29432 | 1298 | 1119 | 5179 | 358 | 3451 | 0 | 40838 | 0 | 36664 |
| 37 16 | 29462 | 1298 | 1121 | 5178 | 1327 | 3473 | 0 | 41859 | 0 | 37518 |
| 38 17 | 32627 | 1298 | 1204 | 5597 | 1480 | 4345 | 0 | 46551 | 0 | 38330 |
| 39 18 | 32775 | 1298 | 1210 | 5626 | 1413 | 4415 | 0 | 46739 | 0 | 39098 |
| 40 19 | 34481 | 1298 | 1212 | 5638 | 914 | 4429 | 0 | 47972 | 0 | 39818 |
| 41 20 | 34550 | 1298 | 1214 | 5680 | 724 | 4452 | 0 | 47919 | 17275 | 40487 |
| 42 21 | 35919 | 1298 | 1227 | 5717 | 679 | 4593 | 0 | 49433 | 18857 | 41102 |
| 43 22 | 38396 | 1298 | 1130 | 6013 | 761 | 5561 | 0 | 53169 | 21118 | 41668 |
| 44 23 | 40791 | 1298 | 1117 | 6149 | 415 | 5749 | 0 | 55519 | 23455 | 42159 |
| 45 24 | 40880 | 1298 | 1113 | 6182 | 260 | 5778 | 0 | 55511 | 24528 | 42596 |
| 46 25 | 41144 | 1298 | 1103 | 6205 | 254 | 5865 | 0 | 55809 | 25715 | 42969 |
| 47 26 | 41362 | 1298 | 1094 | 6241 | 324 | 5937 | 0 | 56256 | 26885 | 43277 |
| 48 27 | 44147 | 1298 | 1092 | 6249 | 210 | 5953 | 0 | 58950 | 29799 | 43517 |
| 49 28 | 43869 | 1298 | 1099 | 6195 | 267 | 5900 | 0 | 58628 | 30708 | 43690 |
| 50 29 | 46188 | 1298 | 1046 | 6394 | 14 | 6341 | 0 | 61280 | 33486 | 43793 |
| 51 30 | 46188 | 1298 | 1046 | 6340 | 15 | 6341 | 0 | 61228 | 34641 | 43828 |
| 52 31 | 46188 | 1298 | 1046 | 6339 | 15 | 6341 | 0 | 61227 | 34641 | 43792 |
| 53 32 | 46188 | 1298 | 1046 | 6232 | 15 | 6341 | 0 | 61120 | 34641 | 43687 |
| 54 33 | 46188 | 1298 | 1046 | 6426 | 15 | 6341 | 0 | 61314 | 34641 | 43514 |
| 55 34 | 46188 | 1298 | 1046 | 6426 | 15 | 6341 | 0 | 61314 | 34641 | 43272 |
| 56 35 | 46188 | 1298 | 1046 | 6426 | 15 | 6341 | 0 | 61314 | 34641 | 42953 |
| 57 36 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 34641 | 42589 |
| 58 37 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 34641 | 42151 |
| 59 38 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 34641 | 41651 |
| 60 39 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 34641 | 41092 |
| 61 40 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 34641 | 40470 |
| 62 41 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 34641 | 39806 |
| 63 42 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 34641 | 39085 |
| 64 43 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 34641 | 38317 |
| ----- | | | | | | | | | | |
| TOTALS: | 1154875 | 45440 | 34595 | 188165 | 13757 | 151315 | 0 | 1528137 | 738800 | 1612434 |

***** INCOME STREAMS: MILPAY VS. OTHERS *****

SCENARIO NO. 0 0 : BASECASE

Table I-93
USMC Officer Annualized Cost of Leaving (ACOL)

FILE: ACOLMATO PAGE1M A1

VM/SP CONVERSATIONAL MONITOR SYSTEM

ACOL OUTPUT DATE OF RUN: 11/21/83 16:33:17 BASE YEAR: SEVEN YEAR AVG.
SERVICE: MARINE CORPS OFFICERS 14 **AGGREGATE**
CURP: T
IN VESTED: 20 20 20 20 20 20 20 20
ANNUITY AGE: 42 42 42 42 42 42 42 42
MULTIPLIER: .025 .025 .025 .025 .025 .025 .025 .025
DECREMENTED? Y Y Y Y Y Y Y Y
PAY CHANGES? N N N N N N N N
BETA WT.: .000065 .000065 .000065 .000065 .000065 .000065 .000065 .000065
ENLOSS: .000 .000 .000 .000 .000 .000 .000 .000
COLA ADJ? N N N N N N N N
AVG. CPI: .000 .000 .000 .000 .000 .000 .000 .000
*** ACOL MATRIX ***
CASE NO. : BASE 1 2 3 4 5 6 7
YEAR OF SERVICE
2 9070 8832 8320 7870 7432 7011 6589 5835
3 10197 9902 9326 8760 8285 7817 7355 5624
4 11373 11034 10398 9763 9173 8650 8145 6220
5 12403 12005 11303 10602 9901 9305 8750 6624
6 13286 12824 12249 11275 10501 9791 9178 6841
7 14362 13843 12965 12109 11253 10398 9717 7142
8 15563 15131 14085 13079 12081 11133 10204 7454
9 17046 16769 15564 14380 13155 12076 11033 7880
10 18981 18733 17363 15993 14622 13252 11904 8355
11 21521 21237 19666 18095 16525 14954 13364 8955
12 24144 23815 21998 20182 18385 16548 14732 9338
13 27490 27185 24979 22852 20726 18600 16473 9789
14 31757 31300 28773 26247 23720 21194 18667 10227
15 37670 37123 34061 30998 27935 24672 21609 10827
16 45921 45230 41414 37597 33781 29965 26148 11466
17 58202 57365 52443 47491 42540 37568 32635 12166
18 77476 76236 69387 62538 55689 48840 41991 12563
19 116263 114333 103680 93028 82375 71722 61069 13074
20 232265 228264 206181 184098 162014 139931 117048 13500
21 26837 24501 22884 21267 19050 16833 14416 14282
22 38484 29960 28133 26286 24430 22592 20745 14507
23 40713 37877 35425 32973 30522 28070 25618 15383
24 23180 34399 32251 30102 27954 25805 23657 15630
25 24720 29598 27921 26252 24583 22914 21245 16063
26 23725 23363 22271 21238 20206 19174 18141 16446
27 47014 33061 31298 29533 27772 26010 24247 16980
28 21456 31937 29427 27817 26207 24597 22987 17230
29 45688 39447 37251 35055 32859 30663 28467 17667
30 25288 30919 29567 28215 26864 25512 24160 17705
31 11337 18106 18039 17972 17905 17838 17770 17770
32 11128 11128 11758 12389 13019 13650 14280 17881
33 11263 11263 11917 12571 13224 13878 14532 18052
34 11247 11247 11927 12606 13286 13965 14645 18191
35 11352 11352 12052 12752 13452 14152 14851 18350

Table I-94
USMC Officer Pay Component of ACOL

FILE: ACOLMATO PAGE2M A1

VM/SP CONVERSATIONAL MONITOR SYSTEM

ACOL OUTPUT DATE OF RUN: 11/21/83 16:33:17 PAST YEAR: SEVEN YEAR AVG.
SERVICE: MARINE CORPS OFFICERS 14 **AGGREGATE**

| CURRENT | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
|--------------|---------|---------|---------|---------|---------|---------|---------|---------|
| YR VESTED: | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| ANNUITY AGE: | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42 |
| MULTIPLIER: | .025 | .025 | .025 | .025 | .025 | .025 | .025 | .025 |
| DECREMENTED? | Y | Y | Y | Y | Y | Y | Y | Y |
| PAY CHANGES? | N | N | N | N | N | N | N | N |
| BETA WT.: | .000065 | .000065 | .000065 | .000065 | .000065 | .000065 | .000065 | .000065 |
| ENLOSS: | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| COLA ADJ? | N | N | N | N | N | N | N | N |
| AVG. CPI: | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |

--- ACOL PAY COMPONENT ---

| CASE NO. | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|-----------------|-------|-------|-------|-------|-------|-------|-------|
| YEAR OF SERVICE | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| 2 | 3454 | 3617 | 3765 | 4343 | 4482 | 4482 | 5035 |
| 3 | 3971 | 4141 | 4141 | 4900 | 4900 | 5045 | 5624 |
| 4 | 4501 | 4679 | 4679 | 4879 | 4886 | 5018 | 5620 |
| 5 | 4805 | 4993 | 4993 | 4993 | 4993 | 5028 | 5624 |
| 6 | 4876 | 5002 | 5082 | 5082 | 5082 | 5087 | 6160 |
| 7 | 5038 | 4375 | 5262 | 5262 | 5262 | 6233 | 6419 |
| 8 | 5203 | 4477 | 4477 | 5445 | 5445 | 5445 | 6686 |
| 9 | 5501 | 4724 | 4724 | 4724 | 4724 | 5700 | 6865 |
| 10 | 5030 | 5030 | 5030 | 5030 | 5030 | 5030 | 6132 |
| 11 | 5531 | 5531 | 5531 | 5531 | 5531 | 5531 | 6956 |
| 12 | 5648 | 5648 | 5648 | 5648 | 5648 | 5648 | 9330 |
| 13 | 5842 | 5842 | 5842 | 5842 | 5842 | 5842 | 9760 |
| 14 | 6034 | 6034 | 6034 | 6034 | 6034 | 6034 | 10227 |
| 15 | 6495 | 6495 | 6495 | 6495 | 6495 | 6495 | 10827 |
| 16 | 7067 | 7067 | 7067 | 7067 | 7067 | 7067 | 11466 |
| 17 | 7877 | 7877 | 7877 | 7877 | 7877 | 7877 | 12166 |
| 18 | 7746 | 7746 | 7746 | 7746 | 7746 | 7746 | 12563 |
| 19 | 7805 | 7805 | 7805 | 7805 | 7805 | 7805 | 13074 |
| 20 | 7431 | 7431 | 7431 | 7431 | 7431 | 7431 | 13599 |
| 21 | 8331 | 8331 | 8331 | 8331 | 8331 | 8331 | 14262 |
| 22 | 11509 | 11509 | 11509 | 11509 | 11509 | 11509 | 14967 |
| 23 | 13360 | 13360 | 13360 | 13360 | 13360 | 13360 | 15363 |
| 24 | 12915 | 12915 | 12915 | 12915 | 12915 | 12915 | 15630 |
| 25 | 12900 | 12900 | 12900 | 12900 | 12900 | 12900 | 16063 |
| 26 | 14165 | 12900 | 12900 | 12900 | 12900 | 12900 | 16446 |
| 27 | 15433 | 15433 | 15433 | 15433 | 15433 | 15433 | 16980 |
| 28 | 14938 | 14938 | 14938 | 14938 | 14938 | 14938 | 17239 |
| 29 | 17487 | 17487 | 17487 | 17487 | 17487 | 17487 | 17667 |
| 30 | 17400 | 17400 | 17400 | 17400 | 17400 | 17400 | 17785 |
| 31 | 17434 | 17434 | 17434 | 17434 | 17434 | 17434 | 17779 |
| 32 | 17433 | 17433 | 17433 | 17433 | 17433 | 17433 | 17981 |
| 33 | 17800 | 17800 | 17800 | 17800 | 17800 | 17800 | 18052 |
| 34 | 18042 | 18042 | 18042 | 18042 | 18042 | 18042 | 18191 |
| 35 | 18350 | 18350 | 18350 | 18350 | 18350 | 18350 | 18350 |

Table I-95
USMC Officer Retirement Component of ACOL

FILE: ACOMATO PAGEFM A1

VM/SP CONVERSATIONAL MONITOR SYSTEM

ACOL OUTPUT DATE OF RUN: 11/21/83 16:33:17 BASE YEAR: SEVEN YEAR AVG.
SERVICE: MARINE CORPS OFFICERS 14 **AGGREGATE**
CURRENT

| | | | | | | | | |
|--------------|---------|---------|---------|---------|---------|---------|---------|---------|
| YR VESTED: | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| ANNUITY AGE: | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42 |
| MULTIPLIER: | .025 | .025 | .025 | .025 | .025 | .025 | .025 | .025 |
| DECREMENTED? | Y | Y | Y | Y | Y | Y | Y | N |
| PAY CHANGES? | N | N | N | N | N | N | N | N |
| BETA WT.: | .000065 | .000065 | .000065 | .000065 | .000065 | .000065 | .000065 | .000065 |
| ENLOSS: | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| COLA ADJ? | N | N | N | N | N | N | N | N |
| AVG. CPI: | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |

*** ACOL RETIREMENT COMPONENT ***

| CASE NO. | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|-----------------|--------|--------|--------|--------|--------|--------|--------|
| YEAR OF SERVICE | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| 2 | 5016 | 5214 | 4555 | 3526 | 2951 | 2529 | 2108 |
| 3 | 6216 | 5760 | 5184 | 3860 | 3385 | 2772 | 2318 |
| 4 | 6871 | 6355 | 5720 | 5084 | 3707 | 3032 | 2527 |
| 5 | 7598 | 7011 | 6310 | 5609 | 4908 | 3477 | 2762 |
| 6 | 8410 | 7741 | 6907 | 6193 | 5419 | 3805 | 3018 |
| 7 | 9324 | 8499 | 7703 | 6847 | 5991 | 4165 | 3299 |
| 8 | 10360 | 10653 | 9588 | 7584 | 6636 | 5080 | 3878 |
| 9 | 11544 | 12045 | 10841 | 9636 | 8432 | 6316 | 4168 |
| 10 | 13951 | 13703 | 12332 | 10962 | 9592 | 6222 | 5802 |
| 11 | 15990 | 15706 | 14135 | 12564 | 10994 | 9423 | 7853 |
| 12 | 18496 | 18167 | 16350 | 14533 | 12717 | 10900 | 9083 |
| 13 | 21648 | 21263 | 19137 | 17010 | 14884 | 12750 | 10631 |
| 14 | 25723 | 25265 | 22739 | 20212 | 17686 | 15159 | 12633 |
| 15 | 31183 | 30828 | 27565 | 24502 | 21440 | 18377 | 15314 |
| 16 | 38855 | 38183 | 34347 | 30531 | 26714 | 22898 | 19282 |
| 17 | 58414 | 49517 | 44566 | 39614 | 34662 | 29710 | 24759 |
| 18 | 69738 | 62490 | 61641 | 54792 | 47943 | 41094 | 34245 |
| 19 | 108458 | 106528 | 95875 | 85222 | 74570 | 63917 | 53264 |
| 20 | 224833 | 220833 | 198749 | 176666 | 154583 | 132500 | 110416 |
| 21 | 18566 | 16171 | 14553 | 12936 | 11319 | 9702 | 8085 |
| 22 | 26975 | 18472 | 16624 | 14777 | 12930 | 11083 | 9236 |
| 23 | 27353 | 24517 | 22065 | 19613 | 17162 | 14718 | 12258 |
| 24 | 18205 | 21484 | 19336 | 17187 | 15039 | 12890 | 10742 |
| 25 | 11829 | 16606 | 15221 | 13352 | 11683 | 10014 | 8345 |
| 26 | 9560 | 10323 | 9291 | 8258 | 7226 | 6194 | 5162 |
| 27 | 31581 | 17628 | 15865 | 14102 | 12340 | 10577 | 8814 |
| 28 | 6518 | 16098 | 14468 | 12679 | 11269 | 9659 | 8049 |
| 29 | 28201 | 21960 | 15764 | 12568 | 10372 | 8176 | 6080 |
| 30 | 7808 | 13519 | 12167 | 10615 | 9483 | 8111 | 6760 |
| 31 | -6097 | 072 | 605 | 538 | 470 | 403 | 336 |
| 32 | -6305 | -6305 | -5875 | -5044 | -4414 | -3783 | -3153 |
| 33 | -6537 | -6537 | -5883 | -5229 | -4576 | -3922 | -3268 |
| 34 | -6794 | -6794 | -6112 | -5436 | -4756 | -4077 | -3397 |
| 35 | -6998 | -6998 | -6298 | -5599 | -4899 | -4199 | -3499 |

Table I-96
USMC Officer Force Structures

FILE: ACOLMATO PAGE4M A1

VM/SP CONVENTIONAL MONITOR SYSTEM

| | | | | | | | | | |
|-----------------------|---------|-----------------------|---------|---------|-------------------------------------|---------|---------|---------|-------|
| ACOL OUTPUT | | DATE OF RUN: 11/21/83 | | | 16:37:17 BASE YEAR: SEVEN YEAR AVG. | | | | |
| SERVICE: MARINE CORPS | | OFFICERS | | | 14 **AGGREGATE** | | | | |
| CURRENT | | | | | | | | | |
| YR VESTED: | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | |
| ANNUITY AGE: | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42 | |
| MULTIPLIER: | .025 | .025 | .025 | .025 | .025 | .025 | .025 | .025 | |
| DECREMENTAD? | Y | Y | Y | Y | Y | Y | Y | Y | |
| PAY CHANGES? | N | N | N | N | N | N | N | N | |
| BETA WT.: | .000065 | .000065 | .000065 | .000065 | .000065 | .000065 | .000065 | .000065 | |
| ENLOSS: | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | |
| COLA ADJ? | N | N | N | N | N | N | N | N | |
| AVG. CPI: | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | |
| -- FORCE TABLE -- | | | | | | | | | |
| CASE NO. | 1 | BASE | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| YEAR OF SERVICE | | | | | | | | | |
| 1 | 1739 | | 1762 | 1818 | 1876 | 1935 | 1994 | 2052 | 2285 |
| 2 | 1725 | | 1727 | 1781 | 1838 | 1895 | 1953 | 2009 | 2234 |
| 3 | 1629 | | 1649 | 1698 | 1750 | 1802 | 1854 | 1905 | 2108 |
| 4 | 1401 | | 1414 | 1450 | 1486 | 1524 | 1561 | 1597 | 1737 |
| 5 | 1211 | | 1219 | 1243 | 1268 | 1293 | 1318 | 1342 | 1432 |
| 6 | 1054 | | 1058 | 1073 | 1088 | 1103 | 1118 | 1132 | 1184 |
| 7 | 911 | | 911 | 918 | 925 | 931 | 938 | 945 | 965 |
| 8 | 823 | | 821 | 824 | 826 | 828 | 830 | 832 | 836 |
| 9 | 747 | | 745 | 743 | 741 | 738 | 736 | 733 | 722 |
| 10 | 695 | | 692 | 689 | 684 | 679 | 674 | 669 | 650 |
| 11 | 639 | | 637 | 632 | 625 | 618 | 611 | 604 | 577 |
| 12 | 549 | | 547 | 539 | 530 | 520 | 509 | 498 | 461 |
| 13 | 476 | | 473 | 462 | 451 | 438 | 424 | 410 | 362 |
| 14 | 448 | | 437 | 426 | 414 | 400 | 386 | 372 | 320 |
| 15 | 414 | | 411 | 400 | 387 | 374 | 359 | 344 | 289 |
| 16 | 395 | | 392 | 380 | 368 | 354 | 338 | 322 | 261 |
| 17 | 380 | | 377 | 366 | 353 | 338 | 322 | 305 | 234 |
| 18 | 366 | | 364 | 352 | 339 | 324 | 307 | 289 | 198 |
| 19 | 349 | | 348 | 336 | 324 | 309 | 293 | 274 | 166 |
| 20 | 323 | | 327 | 317 | 305 | 291 | 275 | 258 | 136 |
| 21 | 216 | | 207 | 193 | 178 | 162 | 146 | 130 | 64 |
| 22 | 169 | | 140 | 125 | 110 | 96 | 82 | 69 | 28 |
| 23 | 143 | | 115 | 100 | 85 | 71 | 58 | 47 | 14 |
| 24 | 124 | | 107 | 92 | 77 | 64 | 52 | 41 | 12 |
| 25 | 107 | | 96 | 81 | 68 | 55 | 44 | 34 | 9 |
| 26 | 87 | | 77 | 64 | 53 | 42 | 33 | 25 | 7 |
| 27 | 64 | | 68 | 58 | 48 | 36 | 28 | 21 | 5 |
| 28 | 50 | | 60 | 49 | 39 | 30 | 23 | 17 | 4 |
| 29 | 39 | | 42 | 32 | 25 | 18 | 13 | 9 | 1 |
| 30 | 29 | | 34 | 26 | 19 | 14 | 10 | 7 | 1 |
| 31 | 15 | | 23 | 17 | 13 | 9 | 6 | 4 | 1 |
| 32 | 8 | | 13 | 10 | 7 | 5 | 4 | 3 | 0 |
| 33 | 4 | | 7 | 6 | 4 | 3 | 2 | 2 | 0 |
| 34 | 2 | | 4 | 3 | 2 | 2 | 1 | 1 | 0 |
| 35 | 1 | | 2 | 2 | 1 | 1 | 1 | 1 | 0 |
| TTL INDSTRENGTH | 17303 | | 17303 | 17303 | 17303 | 17303 | 17303 | 17303 | 17303 |
| EXP. SERV. LIFE | 10 | | 10 | 10 | 9 | 9 | 9 | 8 | 8 |

Table I-97

USMC Nonprior Service Officer Reenlistment Rates

FILE: ACOEMATO PAGE5M A1

VM/CP CONVERSATIONAL MONITOR SYSTEM

ACOL OUTPUT DATE OF RUN: 11/21/83 16:33:17 PAGE YEAR: SEVEN YEAR AVG.
 SERVICE: MARINE CORPS OFFICERS 14 **AGGREGATE**

| CURRENT | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
|--------------|---------|---------|---------|---------|---------|---------|---------|---------|
| YE VESTED: | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| ANNUITY AGE: | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42 |
| MULTIPLIER: | .025 | .025 | .025 | .025 | .025 | .025 | .025 | .025 |
| DECREMENTED? | Y | Y | Y | Y | Y | Y | Y | Y |
| PAY CHANGES? | N | N | N | N | N | N | N | N |
| BETA WT.: | .000065 | .000065 | .000065 | .000065 | .000065 | .000065 | .000065 | .000065 |
| ENLSS: | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| COLA ADJ? | N | N | N | N | N | N | N | N |
| AVG. CPI: | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |

--- REINLISTMENT RATES ---

| CASE NO. | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|-----------------|-------|-------|-------|-------|-------|-------|-------|
| YEAR OF SERVICE | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| 1 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 2 | .982 | .982 | .981 | .981 | .980 | .979 | .977 |
| 3 | .951 | .950 | .949 | .947 | .945 | .944 | .935 |
| 4 | .844 | .842 | .836 | .830 | .825 | .820 | .795 |
| 5 | .856 | .846 | .842 | .834 | .828 | .822 | .795 |
| 6 | .851 | .847 | .841 | .834 | .827 | .820 | .790 |
| 7 | .846 | .841 | .834 | .826 | .818 | .809 | .774 |
| 8 | .808 | .808 | .801 | .885 | .878 | .871 | .842 |
| 9 | .901 | .899 | .892 | .884 | .876 | .866 | .834 |
| 10 | .941 | .940 | .934 | .929 | .923 | .916 | .888 |
| 11 | .940 | .940 | .943 | .938 | .931 | .925 | .892 |
| 12 | .912 | .911 | .901 | .890 | .877 | .864 | .790 |
| 13 | .909 | .907 | .895 | .881 | .868 | .849 | .759 |
| 14 | .973 | .972 | .967 | .961 | .955 | .947 | .898 |
| 15 | .985 | .985 | .981 | .977 | .972 | .966 | .920 |
| 16 | .989 | .988 | .985 | .981 | .975 | .969 | .903 |
| 17 | .994 | .994 | .991 | .988 | .984 | .977 | .892 |
| 18 | .997 | .997 | .995 | .992 | .988 | .981 | .827 |
| 19 | .995 | 1.000 | .999 | .999 | .998 | .996 | .832 |
| 20 | .980 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | .836 |
| 21 | .667 | .633 | .608 | .583 | .557 | .531 | .478 |
| 22 | .782 | .674 | .647 | .610 | .590 | .561 | .438 |
| 23 | .848 | .823 | .798 | .771 | .742 | .710 | .518 |
| 24 | .866 | .931 | .821 | .810 | .808 | .885 | .798 |
| 25 | .865 | .898 | .887 | .876 | .864 | .850 | .784 |
| 26 | .808 | .803 | .783 | .781 | .770 | .757 | .723 |
| 27 | .738 | .887 | .875 | .862 | .848 | .833 | .735 |
| 28 | .787 | .874 | .862 | .849 | .835 | .820 | .738 |
| 29 | .776 | .698 | .667 | .635 | .601 | .566 | .359 |
| 30 | .742 | .819 | .806 | .782 | .777 | .761 | .658 |
| 31 | .529 | .663 | .662 | .661 | .661 | .660 | .659 |
| 32 | .529 | .556 | .566 | .576 | .586 | .596 | .606 |
| 33 | .529 | .558 | .566 | .579 | .589 | .600 | .663 |
| 34 | .529 | .558 | .569 | .579 | .590 | .601 | .665 |
| 35 | .529 | .559 | .571 | .582 | .593 | .604 | .667 |

Table I-98
USMC Officer Continuation Rates

FILE: ACOLMATO PAGE5M A1

VM/SP CONVERSATIONAL MONITOR SYSTEM

ACOL OUTPUT DATE OF RUN: 11/21/83 16:33:17 PAST YEAR: SEVEN YEAR AVG.
SERVICE: MARINE CORPS OFFICERS 14 **AGGREGATE**
CURRENT
YE VESTED: 20 20 20 20 20 20 20 20
ANNUITY AGE: 42 42 42 42 42 42 42 42
MULTIPLIER: .025 .025 .025 .025 .025 .025 .025 .025
DECREMENTID? Y Y Y Y Y Y Y Y
PAY CHANGES? N N N N N N N N
DATA WT.: .000000 .000000 .000000 .000000 .000000 .000000 .000000 .000000
INLOSS: .000 .000 .000 .000 .000 .000 .000 .000
COLA ADJ? N N N N N N N N
AVG. CPI: .000 .000 .000 .000 .000 .000 .000 .000
--- CONTINUATION RATES ---
CASE NO. 1 2 3 4 5 6 7
YEAR OF SERVICE
1 1.000 1.000 1.000 1.000 1.000 1.000 1.000
2 .981 .982 .980 .980 .979 .979 .978
3 .955 .955 .953 .952 .951 .950 .948
4 .868 .858 .854 .850 .846 .842 .838
5 .864 .862 .858 .853 .848 .844 .840
6 .871 .868 .863 .858 .853 .848 .844
7 .864 .861 .856 .850 .845 .839 .834
8 .884 .882 .878 .873 .868 .863 .858
9 .908 .907 .902 .897 .891 .886 .881
10 .930 .930 .927 .923 .918 .912 .906
11 .928 .928 .917 .914 .910 .906 .902
12 .858 .858 .853 .847 .841 .833 .826
13 .866 .865 .858 .851 .843 .834 .823
14 .924 .923 .921 .918 .914 .911 .905
15 .941 .941 .939 .937 .934 .931 .927
16 .954 .954 .952 .949 .946 .942 .937
17 .963 .963 .961 .959 .956 .952 .947
18 .964 .964 .963 .961 .958 .953 .946
19 .982 .982 .980 .975 .969 .963 .956
20 .926 .941 .941 .941 .941 .941 .941
21 .687 .633 .608 .583 .557 .531 .505
22 .782 .674 .647 .619 .590 .561 .531
23 .848 .823 .798 .771 .742 .716 .676
24 .866 .931 .921 .910 .898 .885 .869
25 .865 .898 .887 .876 .864 .850 .836
26 .888 .883 .793 .781 .770 .757 .745
27 .736 .687 .875 .862 .848 .833 .816
28 .787 .874 .862 .849 .835 .822 .804
29 .776 .698 .667 .635 .601 .566 .531
30 .742 .819 .886 .792 .777 .761 .745
31 .529 .663 .662 .661 .661 .660 .659
32 .529 .556 .566 .576 .586 .596 .606
33 .529 .558 .569 .579 .589 .600 .610
34 .529 .558 .569 .579 .590 .601 .611
35 .529 .559 .571 .582 .593 .604 .615

Table I-99
USMC Officer Survival Rates

FILE: ACOMATO PAGE7M

A1

VM/SP CONVERSATIONAL MONITOR SYSTEM

ACOI OUTPUT DATE OF RUN: 11/21/83 16:37:17 PASE YEAR: SEVEN YEAR AVG.
SERVICE: MARINE CORPS OFFICERS 14 **AGGREGATE**
CURRENT
YR VESTED: 20 20 20 20 20 20 20 20
ANNUITY AGE: 42 42 42 42 42 42 42 42
MULTIPLIER: .025 .025 .025 .025 .025 .025 .025 .025
DECREMENTED? Y Y Y Y Y Y Y Y
PAY CHANGES? N N N N N N N N
BETA WT.: .000065 .000065 .000065 .000065 .000065 .000065 .000065 .000065
ENLOSS: .000 .000 .000 .000 .000 .000 .000 .000
COLA ADJ? N N N N N N N N
AVG. CPI: .000 .000 .000 .000 .000 .000 .000 .000
--- SURVIVAL RATES ---
CASE NO. : BASE 1 2 3 4 5 6 7
YEAR OF SERVICE
1 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000
2 .981 .980 .980 .980 .979 .979 .979 .978
3 .937 .936 .934 .933 .931 .930 .928 .922
4 .805 .803 .798 .792 .787 .783 .778 .760
5 .696 .692 .684 .676 .668 .661 .654 .627
6 .606 .601 .590 .580 .570 .560 .552 .518
7 .524 .517 .505 .493 .481 .470 .460 .422
8 .473 .466 .453 .441 .428 .416 .406 .366
9 .429 .423 .409 .395 .382 .369 .357 .316
10 .400 .393 .379 .365 .351 .338 .326 .284
11 .368 .362 .347 .333 .319 .306 .294 .253
12 .316 .310 .296 .282 .268 .255 .243 .202
13 .274 .268 .254 .240 .226 .213 .200 .158
14 .253 .248 .234 .221 .207 .194 .181 .140
15 .238 .233 .220 .207 .193 .180 .168 .127
16 .227 .222 .209 .196 .183 .170 .157 .114
17 .219 .214 .201 .188 .175 .162 .149 .103
18 .211 .206 .194 .181 .167 .154 .141 .087
19 .201 .197 .185 .173 .160 .147 .134 .072
20 .186 .180 .174 .162 .150 .138 .126 .059
21 .124 .118 .106 .095 .084 .073 .063 .028
22 .097 .079 .069 .059 .049 .041 .034 .012
23 .082 .065 .055 .045 .037 .029 .023 .006
24 .071 .061 .050 .041 .033 .026 .020 .005
25 .062 .054 .045 .036 .028 .022 .017 .004
26 .050 .044 .035 .028 .022 .017 .012 .003
27 .037 .030 .021 .014 .009 .004 .001 .000
28 .029 .024 .017 .011 .006 .002 .000 .000
29 .022 .018 .013 .009 .005 .002 .000 .000
30 .017 .013 .009 .006 .003 .001 .000 .000
31 .009 .007 .004 .003 .001 .000 .000 .000
32 .005 .004 .003 .002 .001 .000 .000 .000
33 .002 .002 .001 .001 .000 .000 .000 .000
34 .001 .001 .000 .000 .000 .000 .000 .000
35 .001 .001 .000 .000 .000 .000 .000 .000

Table I-100
USMC Officer Present Value Gap

FILE: MO14

PVGM

A1

VM/SP CONVERSATIONAL MONITOR SYSTEM

ACOL OUTPUT DATE OF RUN: 11/21/83 16:33:17 FASE YEAR: SEVEN YEAR AVG.
SERVICE: MARINE CORPS OFFICERS 14 **AGGREGATE**
CURRENT
YR VESTED: 20 20 20 20 20 20 20 20
ANNUITY AGE: 42 42 42 42 42 42 42 42
MULTIPLIER: .025 .025 .025 .025 .025 .025 .025 .025
DECREMENTED? Y Y Y Y Y Y Y Y
PAY CHANGES? N N N N N N N N
BETA WT.: .000065 .000065 .000065 .000065 .000065 .000065 .000065 .000065
ENLOSS: .000 .000 .000 .000 .000 .000 .000 .000
COLA ADJ? N N N N N N N N
AVG. CPI: .000 .000 .000 .000 .000 .000 .000 .000

--- 1: PRESENT VALUE GAP 2: YR PV MAX ---
CASE NO. : PASE 1 2 3 4 5 6 7
YEAR OF SERVICE
2 94036 -859 -4838 -5135 -9175 -13988 -18801 -34044
2 22 23 24 28 29 29 29 34
3 106779 -962 -7118 -5746 -11319 -15652 -21038 -38095
3 21 22 22 27 27 28 28 33
4 118949 -1061 -7851 -14641 -12484 -17264 -23205 -42019
4 20 21 21 26 27 27 27 32
5 128462 -1162 -8597 -16032 -23467 -20400 -25410 -46011
5 19 20 20 20 25 26 26 31
6 135512 -1266 -9370 -17475 -25579 -22236 -27696 -50152
6 18 19 19 19 24 25 25 32
7 143625 -19150 -10186 -16995 -27804 -24171 -30106 -54515
7 17 14 18 18 23 24 24 29
8 151693 -20740 -29960 -20571 -30112 -39652 -32625 -59040
8 16 13 13 17 17 17 23 28
9 161030 -22399 -32357 -42315 -52273 -42824 -37598 -63763
9 15 12 12 12 16 21 21 27
10 148840 -1946 -12691 -23436 -34181 -44920 -35183 -46578
10 11 11 11 11 11 15 26
11 158865 -2100 -13684 -25287 -36861 -48475 -60068 -50258
11 10 10 10 10 10 10 25
12 165794 -2260 -14735 -27209 -39684 -52159 -64634 -54078
12 9 9 9 9 9 9 24
13 173538 -2432 -15854 -29277 -42700 -56123 -69546 -58188
13 8 8 8 8 8 8 23
14 181373 -2614 -17844 -31473 -45903 -60332 -74762 -62552
14 7 7 7 7 7 7 22
15 190823 -2810 -18322 -33634 -49345 -64857 -80369 -67243
15 6 6 6 6 6 6 21
16 200275 -3015 -19659 -36303 -52947 -69562 -86236 -72152
16 5 5 5 5 5 5 20
17 210433 -3238 -21114 -38990 -56866 -74741 -92617 -77491
17 4 4 4 4 4 4 19
18 216974 -3475 -22655 -41836 -61017 -80197 -99378 -83148
18 3 3 3 3 3 3 18
19 224616 -3728 -24309 -44890 -65471 -86052 -106633 -89218
19 2 2 2 2 2 2 17
20 232265 -4001 -26084 -46167 -70250 -92334 -114417 -95731
20 1 1 1 1 1 1 16
21 26837 -2336 -3953 -5570 -7187 -8804 -10421 111561
21 1 1 1 1 1 1 15

Table I-100 (Con't)
USMC Officer Present Value Gap

FILE: M014 PVGM A1 VM/SP CONVERSATIONAL MONITOR SYSTEM

| | | | | | | | | |
|----|-------|--------|--------|--------|--------|--------|--------|--------|
| 22 | 38464 | -8504 | -10351 | -12108 | -14045 | -15863 | -17740 | 100818 |
| 22 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 14 |
| 23 | 40713 | -2837 | -5288 | -7740 | -10192 | -12643 | -15095 | 96281 |
| 23 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 13 |
| 24 | 23180 | 11219 | 9871 | 6922 | 4774 | 2826 | 477 | 189356 |
| 24 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 12 |
| 25 | 24729 | 4861 | 3192 | 1523 | -146 | -1815 | -3484 | 103268 |
| 25 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 11 |
| 26 | 45899 | -22593 | -23628 | -24660 | -25893 | -26725 | -27757 | 77483 |
| 26 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 10 |
| 27 | 47014 | -13953 | -15716 | -17479 | -19241 | -21004 | -22767 | 71116 |
| 27 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 9 |
| 28 | 21456 | 9580 | 7970 | 6361 | 4751 | 3141 | 1531 | 88532 |
| 28 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 8 |
| 29 | 45668 | -6242 | -8438 | -10634 | -12829 | -15025 | -17221 | 56111 |
| 29 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 |
| 30 | 25208 | 5711 | 4359 | 3807 | 1656 | 304 | -1048 | 65090 |
| 30 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 6 |
| 31 | 11337 | 6769 | 6702 | 6635 | 6568 | 6502 | 6433 | 66663 |
| 31 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 5 |
| 32 | 11128 | 0 | 631 | 1261 | 1892 | 2522 | 3153 | 53678 |
| 32 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 4 |
| 33 | 11263 | 0 | 654 | 1307 | 1961 | 2615 | 3268 | 39426 |
| 33 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 3 |
| 34 | 11247 | 0 | 679 | 1359 | 2038 | 2718 | 3397 | 23944 |
| 34 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 |
| 35 | 11352 | 0 | 700 | 1400 | 2099 | 2799 | 3499 | 6990 |
| 35 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

Table I-101
USMC Officer High-3 Force Grade Strengths

| | | | | | | | | | | | | | | |
|-----------------------|-----------------------|----------|-------------------------------------|---------------|------|-----|---|---|---|-------|--------|------|------|------|
| FILE: M014PC | H13M | A1 | WM/SP CONVERSATIONAL MONITOR SYSTEM | PAGE 081 | | | | | | | | | | |
| ACOL OUTPUT | DATE OF RUN: 11/21/83 | 16:33:17 | PAGE YEAR: SEVEN YEAR AVG. | | | | | | | | | | | |
| SERVICE: MARINE CORPS | OFFICERS | 14 | **ACCELEGATE** | | | | | | | | | | | |
| CURRENT | | | | | | | | | | | | | | |
| USMC14 ACOL | VEST=20:AAU=42:MU=7= | 025:EI | AVG=3:DEC=7:CEPAY=0:DUAL TR=4:BITA= | 02065:ENLOSS= | | | | | | | | | | |
| LOS | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | TOTAL | LOSSES | LOSS | RTM | COMT |
| 1 | 0 | 1762 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1762 | 35 | 0.28 | 1.20 | 1.20 |
| 2 | 0 | 1727 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1727 | 76 | 0.45 | 0.55 | 0.55 |
| 3 | 0 | 1649 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1649 | 234 | 1.42 | 0.68 | 0.68 |
| 4 | 0 | 1514 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1514 | 195 | 1.38 | 0.62 | 0.62 |
| 5 | 0 | 129 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 129 | 161 | 1.32 | 0.68 | 0.68 |
| 6 | 0 | 41 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 41 | 63 | 0.98 | 0.52 | 0.52 |
| 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 77 | 0.93 | 0.46 | 0.46 |
| 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 54 | 0.78 | 0.38 | 0.38 |
| 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 56 | 0.68 | 0.28 | 0.28 |
| 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 98 | 1.42 | 0.58 | 0.58 |
| 11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 74 | 1.35 | 0.65 | 0.65 |
| 12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 36 | 0.87 | 0.23 | 0.23 |
| 13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 437 | 2.6 | 0.59 | 0.59 |
| 14 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 411 | 1.9 | 0.46 | 0.46 |
| 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 392 | 1.5 | 0.37 | 0.37 |
| 16 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 277 | 1.4 | 0.36 | 0.36 |
| 17 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 364 | 1.6 | 0.44 | 0.44 |
| 18 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 348 | 28 | 0.59 | 0.59 |
| 19 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 327 | 120 | 0.67 | 0.67 |
| 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 287 | 68 | 0.36 | 0.36 |
| 21 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 140 | 25 | 0.17 | 0.17 |
| 22 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 115 | 8 | 0.09 | 0.09 |
| 23 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 107 | 11 | 0.10 | 0.10 |
| 24 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 96 | 15 | 0.13 | 0.13 |
| 25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 77 | 9 | 0.11 | 0.11 |
| 26 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 68 | 9 | 0.12 | 0.12 |
| 27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 68 | 18 | 0.26 | 0.26 |
| 28 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 42 | 8 | 0.18 | 0.18 |
| 29 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 34 | 12 | 0.37 | 0.37 |
| 30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 23 | 10 | 0.44 | 0.44 |
| 31 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13 | 6 | 0.42 | 0.42 |
| 32 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 2 | 0.44 | 0.44 |
| 33 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 0.44 | 0.44 |
| 34 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 0.44 | 0.44 |
| 35 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 0.44 | 0.44 |
| TOTAL | 0 | 6623 | 0 | 2994 | 1533 | 568 | 3 | 0 | 0 | 17363 | 1762 | 1.58 | 9.32 | 9.32 |
| PERCENT | 0 | 38 | 0 | 17 | 9 | 3 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 |
| CHILLING | 0 | 28 | 0 | 17 | 9 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Table I-102
USMC Officer 30% Decrement to Multiplier
Force Grade Strengths

PAGE 001

FILE: M014MG 30FICH A1

ACOL OUTPUT DATE OF RUN: 11/21/83 16:23:17 PAGE YEAR: SEVEN YEAR AVG.

| USMC14 ACOL | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | TOTAL | LOSSES | LOSS | WFM | COMT |
|-------------|---|------|------|------|------|-----|---|---|---|-------|--------|-------|------|-------|
| LOS | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | | | | | |
| 1 | 6 | 1835 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1835 | 40 | .021 | .979 | 1.880 |
| 2 | 0 | 1855 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1855 | 53 | .045 | .951 | .979 |
| 3 | 0 | 1892 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1892 | 278 | .154 | .846 | .931 |
| 4 | 0 | 1915 | 109 | 0 | 0 | 0 | 0 | 0 | 0 | 1924 | 211 | .152 | .848 | .787 |
| 5 | 0 | 136 | 1156 | 0 | 0 | 0 | 0 | 0 | 0 | 1293 | 190 | .147 | .853 | .668 |
| 6 | 0 | 43 | 1250 | 0 | 0 | 0 | 0 | 0 | 0 | 1183 | 171 | .155 | .845 | .578 |
| 7 | 0 | 0 | 828 | 0 | 0 | 0 | 0 | 0 | 0 | 828 | 98 | .111 | .889 | .481 |
| 8 | 0 | 0 | 736 | 0 | 0 | 0 | 0 | 0 | 0 | 736 | 59 | .085 | .915 | .428 |
| 9 | 0 | 0 | 632 | 47 | 0 | 0 | 0 | 0 | 0 | 679 | 61 | .088 | .912 | .382 |
| 10 | 0 | 0 | 152 | 466 | 0 | 0 | 0 | 0 | 0 | 618 | 99 | .159 | .841 | .351 |
| 11 | 0 | 0 | 0 | 428 | 0 | 0 | 0 | 0 | 0 | 428 | 82 | .137 | .863 | .319 |
| 12 | 0 | 0 | 0 | 416 | 0 | 0 | 0 | 0 | 0 | 416 | 58 | .108 | .892 | .268 |
| 13 | 0 | 0 | 0 | 396 | 13 | 0 | 0 | 0 | 0 | 409 | 38 | .095 | .905 | .226 |
| 14 | 0 | 0 | 0 | 337 | 17 | 0 | 0 | 0 | 0 | 354 | 26 | .066 | .934 | .207 |
| 15 | 0 | 0 | 0 | 0 | 11 | 0 | 0 | 0 | 0 | 11 | 15 | .044 | .956 | .193 |
| 16 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14 | .042 | .958 | .175 |
| 17 | 0 | 0 | 0 | 98 | 248 | 0 | 0 | 0 | 0 | 346 | 15 | .046 | .954 | .167 |
| 18 | 0 | 0 | 0 | 76 | 248 | 0 | 0 | 0 | 0 | 324 | 18 | .059 | .941 | .168 |
| 19 | 0 | 0 | 0 | 78 | 235 | 0 | 0 | 0 | 0 | 313 | 129 | .443 | .557 | .158 |
| 20 | 0 | 0 | 0 | 68 | 231 | 0 | 0 | 0 | 0 | 299 | 66 | .418 | .582 | .084 |
| 21 | 0 | 0 | 0 | 16 | 146 | 0 | 0 | 0 | 0 | 162 | 25 | .258 | .742 | .049 |
| 22 | 0 | 0 | 0 | 0 | 46 | 45 | 0 | 0 | 0 | 91 | 7 | .102 | .898 | .037 |
| 23 | 0 | 0 | 0 | 0 | 26 | 42 | 0 | 0 | 0 | 68 | 9 | .136 | .864 | .033 |
| 24 | 0 | 0 | 0 | 0 | 22 | 39 | 0 | 0 | 0 | 61 | 13 | .238 | .762 | .028 |
| 25 | 0 | 0 | 0 | 0 | 16 | 32 | 0 | 0 | 0 | 48 | 6 | .182 | .818 | .022 |
| 26 | 0 | 0 | 0 | 0 | 11 | 27 | 0 | 0 | 0 | 38 | 6 | .165 | .835 | .019 |
| 27 | 0 | 0 | 0 | 0 | 0 | 18 | 0 | 0 | 0 | 18 | 4 | .223 | .777 | .016 |
| 28 | 0 | 0 | 0 | 0 | 0 | 14 | 0 | 0 | 0 | 14 | 5 | .339 | .661 | .007 |
| 29 | 0 | 0 | 0 | 0 | 0 | 9 | 0 | 0 | 0 | 9 | 4 | .414 | .586 | .005 |
| 30 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 5 | 2 | .411 | .589 | .003 |
| 31 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 3 | 1 | .418 | .582 | .002 |
| 32 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 2 | 1 | .487 | .513 | .001 |
| 33 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 1 | 1.000 | .000 | .001 |
| 34 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | .288 | .712 | 8.941 |
| 35 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1355 | | | |
| TOTAL | 0 | 7239 | 5717 | 2764 | 1283 | 399 | 0 | 0 | 0 | 17383 | | | | |
| PERCENT | 0 | 42 | 33 | 16 | 7 | 2 | 0 | 0 | 0 | 100 | | | | |
| CEILING | 0 | 38 | 35 | 17 | 9 | 3 | 0 | 0 | 0 | 0 | | | | |

Table I-103
USMC Officer Cost Summary

FILE: COST14MO COSTOM A1

VM/SP CONVERSATIONAL MONITOR SYSTEM

ACOL OUTPUT DATE OF RUN: 11/21/83 16:33:17 BASE YEAR: SEVEN YEAR AVG.
SERVICE: MARINE CORPS OFFICERS 14 **AGGREGATE**
CURRENT
YR VISITED: 20 20 20 20 20 20 20 20
ANNUITY AGE: 42 42 42 42 42 42 42 42
MULTIPLIER: .025 .025 .025 .025 .025 .025 .025 .025
DISCOUNTED? Y Y Y Y Y Y Y Y
PAY CHANGES? N N N N N N N N
BETA WT.: .000065 .000065 .000065 .000065 .000065 .000065 .000065 .000065
ENLOSS: .000 .000 .000 .000 .000 .000 .000 .000
COLA ADJ? N N N N N N N N
AVG. CPI: .000 .000 .000 .000 .000 .000 .000 .000

--- SUMMARY TABLE : MILITARY PAY (MIL'S) FOR YEAR 81 ---
CASE NO. : BASE 1 2 3 4 5 6 7
YEAR OF SERVICE
1 - 4 YEARS 139.62 141.29 145.47 149.88 154.23 158.63 162.92 167.05
5 - 10 YEARS 160.40 160.57 161.83 163.02 164.14 165.28 166.44 167.23
11 - 20 YEARS 165.94 165.20 161.28 156.67 151.59 146.06 140.20 133.06
21 - 30 YEARS 58.49 46.59 40.16 34.17 28.66 23.69 19.29 6.61
MORE THAN 30 Y 1.71 2.66 2.07 1.56 1.15 .81 .56 .00
-- TOTAL -- 518.16 516.30 510.74 505.23 499.76 494.47 489.40 470.22

--- MILITARY PAY (MIL'S) FOR YEAR 81, BY SOURCE ---
CASE NO. : BASE 1 2 3 4 5 6 7
YEAR OF SERVICE
BASE PAY 399.05 397.48 392.66 387.90 383.21 378.66 374.35 369.15
BAS 22.47 22.46 22.46 22.47 22.46 22.47 22.46 22.46
VMA 13.97 13.92 13.80 13.67 13.54 13.41 13.29 12.77
BAQ 77.23 77.05 76.57 76.09 75.60 75.13 74.68 72.96
S+I 5.44 5.38 5.24 5.10 4.95 4.78 4.61 3.88
IMAS BONUS .00 .00 .00 .00 .00 .00 .00 .00
--TOTAL-- 518.16 516.30 510.74 505.23 499.76 494.47 489.40 470.22

--- SUMMARY TABLE : RETIREMENT (MIL'S) FOR YEAR 81 ---
CASE NO. : BASE 1 2 3 4 5 6 7
YEAR OF SERVICE
1 - 4 YEARS .87 .68 .64 .79 .73 .66 .58 .00
5 - 10 YEARS 13.84 13.77 12.95 12.02 10.99 9.84 8.54 .00
11 - 20 YEARS 126.07 120.22 117.02 106.14 93.89 81.05 67.87 .00
21 - 30 YEARS 151.10 132.56 112.36 92.96 74.75 58.06 43.17 .00
MORE THAN 30 Y 12.86 18.97 13.82 8.58 5.40 3.22 1.80 .00
-- TOTAL -- 385.35 294.39 256.79 220.50 185.75 152.82 121.96 .00

TAX ADV(MIL'S): 49.10 48.95 48.27 47.60 46.95 46.32 45.73 43.5

-> -> -> -> TOTAL COST (MIL'S) FOR YEAR 81
MILITARY 518.16 516.30 510.74 505.23 499.76 494.47 489.40 470.22
RETIREMENT 385.35 294.39 256.79 220.50 185.75 152.82 121.96 .00
DEATH BEN. .00 .00 .00 .00 .00 .00 .00 .00
-- TOTAL - 823.57 810.75 767.58 725.78 685.57 647.35 611.42 470.27

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Table I-104

Air Force Officer Military versus Civilian Income Streams

FILE: ACOLMATO INCOF

A1

VM/SP CONVERSATIONAL MONITOR SYSTEM

***** INCOME STREAMS: MILITARY PAY *****

SCENARIO NO. 0 0 : BASECASE1

| AGE (LOS) | BASE | BAS | VBA | BAQ | SIPAY | TAXES | XBONUS | MILPAY | ANNUITY | CIVV |
|-----------|---------|-------|-------|--------|-------|--------|--------|---------|---------|---------|
| 22 1 | 12679 | 1298 | 549 | 2794 | 445 | 1299 | 0 | 19864 | 0 | 22484 |
| 23 2 | 12728 | 1298 | 544 | 2911 | 1064 | 1317 | 0 | 19862 | 0 | 23525 |
| 24 3 | 12822 | 1298 | 361 | 3752 | 894 | 2035 | 0 | 24362 | 0 | 24575 |
| 25 4 | 19255 | 1298 | 379 | 3880 | 839 | 2063 | 0 | 27734 | 0 | 25631 |
| 26 5 | 22057 | 1298 | 565 | 4381 | 995 | 2585 | 0 | 31882 | 0 | 26690 |
| 27 6 | 22189 | 1298 | 594 | 4482 | 1637 | 2648 | 0 | 32848 | 0 | 27749 |
| 28 7 | 23276 | 1298 | 665 | 4545 | 2129 | 2674 | 0 | 34528 | 0 | 28864 |
| 29 8 | 23281 | 1298 | 610 | 4577 | 2065 | 2681 | 0 | 34512 | 0 | 29851 |
| 30 9 | 24141 | 1298 | 614 | 4592 | 2237 | 2696 | 0 | 35571 | 0 | 30888 |
| 31 10 | 24159 | 1298 | 624 | 4623 | 2422 | 2787 | 0 | 35833 | 0 | 31909 |
| 32 11 | 25775 | 1298 | 726 | 4739 | 2595 | 2888 | 0 | 38021 | 0 | 32913 |
| 33 12 | 26185 | 1298 | 852 | 4924 | 963 | 3174 | 0 | 37395 | 0 | 33863 |
| 34 13 | 27913 | 1298 | 951 | 5065 | 2159 | 3354 | 0 | 40742 | 0 | 34848 |
| 35 14 | 28616 | 1298 | 981 | 5119 | 2519 | 3414 | 0 | 41347 | 0 | 35773 |
| 36 15 | 29307 | 1298 | 982 | 5125 | 2875 | 3437 | 0 | 42224 | 0 | 36664 |
| 37 16 | 29518 | 1298 | 985 | 5212 | 1866 | 3596 | 0 | 42476 | 0 | 37518 |
| 38 17 | 31629 | 1298 | 981 | 5388 | 1469 | 3937 | 0 | 44763 | 0 | 38338 |
| 39 18 | 32344 | 1298 | 993 | 5538 | 1723 | 4261 | 0 | 46158 | 0 | 39298 |
| 40 19 | 34875 | 1298 | 997 | 5585 | 1366 | 4339 | 0 | 47661 | 0 | 39818 |
| 41 20 | 34414 | 1298 | 994 | 5627 | 1385 | 4458 | 0 | 48176 | 17287 | 40487 |
| 42 21 | 37824 | 1298 | 973 | 5949 | 1425 | 5236 | 0 | 52506 | 19753 | 41182 |
| 43 22 | 38397 | 1298 | 932 | 6069 | 1453 | 5561 | 0 | 53711 | 21118 | 41668 |
| 44 23 | 40434 | 1298 | 923 | 6106 | 1624 | 5631 | 0 | 56820 | 23249 | 42159 |
| 45 24 | 40659 | 1298 | 914 | 6128 | 1808 | 5765 | 0 | 56512 | 24395 | 42598 |
| 46 25 | 40860 | 1298 | 984 | 6172 | 1268 | 5784 | 0 | 56326 | 25562 | 42969 |
| 47 26 | 41072 | 1298 | 897 | 6195 | 985 | 5841 | 0 | 56222 | 26697 | 43277 |
| 48 27 | 43850 | 1298 | 898 | 6205 | 801 | 5897 | 0 | 58941 | 29599 | 43517 |
| 49 28 | 44868 | 1298 | 885 | 6242 | 473 | 5938 | 0 | 58985 | 30848 | 43690 |
| 50 29 | 46188 | 1298 | 835 | 6385 | 700 | 6341 | 0 | 61748 | 33486 | 43793 |
| 51 30 | 46188 | 1298 | 835 | 6388 | 936 | 6341 | 0 | 61925 | 34641 | 43828 |
| 52 31 | 46188 | 1298 | 835 | 6378 | 936 | 6341 | 0 | 61976 | 34641 | 43782 |
| 53 32 | 46188 | 1298 | 835 | 6378 | 936 | 6341 | 0 | 61968 | 34641 | 43687 |
| 54 33 | 46188 | 1298 | 835 | 6377 | 936 | 6341 | 0 | 61975 | 34641 | 43514 |
| 55 34 | 46188 | 1298 | 835 | 6426 | 936 | 6341 | 0 | 62024 | 34641 | 43272 |
| 56 35 | 46188 | 1298 | 835 | 6426 | 936 | 6341 | 0 | 62024 | 34641 | 42963 |
| 57 36 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 34641 | 42589 |
| 58 37 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 34641 | 42151 |
| 59 38 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 34641 | 41651 |
| 60 39 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 34641 | 41092 |
| 61 40 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 34641 | 40476 |
| 62 41 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 34641 | 39806 |
| 63 42 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 34641 | 39085 |
| 64 43 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 34641 | 38317 |
| ----- | | | | | | | | | | |
| TOTALS: | 1149282 | 45440 | 22057 | 186675 | 48017 | 149555 | 0 | 1687926 | 736888 | 1612434 |

***** INCOME STREAMS: MILPAY VS. OTHERS *****

SCENARIO NO. 0 0 : BASECASE1

Table I-105
Air Force Officer Annualized Cost of Leaving (ACOL)

FILE: ACOLMATO PAGE1F A1

VM/SP CONVERSATIONAL MONITOR SYSTEM

ACOL OUTPUT DATE OF RUN: 11/21/83 10140156 BASE YEAR: SEVEN YEAR AVG.
SERVICE: AIR FORCE OFFICERS 14 **AGGREGATE**

| CURRENT | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
|--------------|---------|---------|---------|---------|---------|---------|---------|---------|
| IR VESTED: | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| ANNUITY AGE: | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42 |
| MULTIPLIER: | .025 | .025 | .025 | .025 | .025 | .025 | .025 | .025 |
| DECREMENTED? | Y | Y | Y | Y | Y | Y | Y | Y |
| PAY CHANGES? | N | N | N | N | N | N | N | N |
| BETA WT.: | .000005 | .000005 | .000005 | .000005 | .000005 | .000005 | .000005 | .000005 |
| ENLOSS: | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| COLA ADJ? | N | N | N | N | N | N | N | N |
| AVG. CPI: | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |

--- ACOL MATRIX ---

| CASE NO. | BASE | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|-----------------|-------|-------|-------|-------|-------|-------|-------|-------|
| YEAR OF SERVICE | | | | | | | | |
| 2 | 9724 | 9515 | 6996 | 8544 | 8114 | 7692 | 7270 | 5715 |
| 3 | 11153 | 10907 | 10322 | 9749 | 9248 | 8782 | 8319 | 6575 |
| 4 | 12352 | 12080 | 11426 | 10777 | 10145 | 9626 | 9120 | 7180 |
| 5 | 13430 | 13135 | 12412 | 11689 | 10975 | 10325 | 9772 | 7627 |
| 6 | 14331 | 13984 | 13183 | 12383 | 11583 | 10807 | 10197 | 7839 |
| 7 | 15084 | 14649 | 13762 | 12917 | 12087 | 11409 | 10672 | 8078 |
| 8 | 15663 | 15174 | 14188 | 13282 | 12417 | 11631 | 11135 | 8283 |
| 9 | 16042 | 15441 | 14369 | 13470 | 12642 | 11873 | 11186 | 8600 |
| 10 | 16360 | 15683 | 14526 | 13648 | 12841 | 12083 | 11364 | 8945 |
| 11 | 16624 | 15889 | 14653 | 13783 | 12992 | 12243 | 11505 | 9302 |
| 12 | 16845 | 16066 | 14884 | 14034 | 13243 | 12504 | 11766 | 9577 |
| 13 | 17024 | 16245 | 15063 | 14213 | 13422 | 12683 | 11927 | 9849 |
| 14 | 17163 | 16384 | 15202 | 14352 | 13561 | 12822 | 12083 | 10091 |
| 15 | 17262 | 16483 | 15301 | 14451 | 13660 | 12921 | 12182 | 10240 |
| 16 | 17321 | 16542 | 15360 | 14510 | 13719 | 13000 | 12241 | 10369 |
| 17 | 17340 | 16561 | 15379 | 14529 | 13738 | 13019 | 12260 | 10468 |
| 18 | 17359 | 16580 | 15398 | 14548 | 13757 | 13038 | 12279 | 10567 |
| 19 | 17378 | 16599 | 15417 | 14567 | 13776 | 13057 | 12298 | 10666 |
| 20 | 17397 | 16618 | 15436 | 14586 | 13795 | 13076 | 12317 | 10765 |
| 21 | 17416 | 16637 | 15455 | 14605 | 13814 | 13095 | 12336 | 10864 |
| 22 | 17435 | 16656 | 15474 | 14624 | 13833 | 13114 | 12355 | 10963 |
| 23 | 17454 | 16675 | 15493 | 14643 | 13852 | 13133 | 12374 | 11062 |
| 24 | 17473 | 16694 | 15512 | 14662 | 13871 | 13152 | 12393 | 11161 |
| 25 | 17492 | 16713 | 15531 | 14681 | 13890 | 13171 | 12412 | 11260 |
| 26 | 17511 | 16732 | 15550 | 14700 | 13909 | 13190 | 12431 | 11359 |
| 27 | 17530 | 16751 | 15569 | 14719 | 13928 | 13209 | 12450 | 11458 |
| 28 | 17549 | 16770 | 15588 | 14738 | 13947 | 13228 | 12469 | 11557 |
| 29 | 17568 | 16789 | 15607 | 14757 | 13966 | 13247 | 12488 | 11656 |
| 30 | 17587 | 16808 | 15626 | 14776 | 13985 | 13266 | 12507 | 11755 |
| 31 | 17606 | 16827 | 15645 | 14795 | 14004 | 13285 | 12526 | 11854 |
| 32 | 17625 | 16846 | 15664 | 14814 | 14023 | 13304 | 12545 | 11953 |
| 33 | 17644 | 16865 | 15683 | 14833 | 14042 | 13323 | 12564 | 12052 |
| 34 | 17663 | 16884 | 15702 | 14852 | 14061 | 13342 | 12583 | 12151 |
| 35 | 17682 | 16903 | 15721 | 14871 | 14080 | 13361 | 12602 | 12250 |

Table I-106
Air Force Officer Pay Component of ACOL

FILE: ACOLMATO PAGE2F A1

VM/SP CONVENTIONAL MONITOR SYSTEM

ACOL OUTPUT DATE OF RUN: 11/21/83 10:40:56 BASE YEAR: SEVEN YEAR AVG.
SERVICE: AIR FORCE OFFICERS 14 **AGGREGATE**
CURRENT
YR VSTED: 20 20 20 20 20 20 20 20
ANNUITY AGE: 42 42 42 42 42 42 42 42
MULTIPLIER: .025 .025 .025 .025 .025 .025 .025 .025
DECREMENTED? Y Y Y Y Y Y Y Y
PAY CHANGES? N N N N N N N N
DATA WT.1 .000005 .000005 .000005 .000005 .000005 .000005 .000005 .000005
DNICSS: .000 .000 .000 .000 .000 .000 .000 .000
COLA ADJ? N N N N N N N N
AVG. CPI: .000 .000 .000 .000 .000 .000 .000 .000
-- ACOL PAY COMPONENT --
CASE NO. : BASE 1 2 3 4 5 6 7
YEAR OF SERVICE
2 4157 4326 4326 5020 5159 5159 5159 5715
3 4962 4962 5162 5162 5663 6006 6006 6575
4 5541 5541 5541 5717 6440 6562 6562 7180
5 5904 5904 5904 5924 6291 7006 7006 7627
6 5549 5980 5980 5980 5980 7006 7175 7839
7 5601 6076 6076 6076 6076 6290 7368 8278
8 5586 6115 6115 6115 6115 6115 7522 8283
9 5701 5411 6262 6262 6262 6262 6548 8602
10 5833 5511 5511 5511 6471 6471 6471 8945
11 6065 5743 5743 5743 5743 5743 6785 9392
12 6239 5843 5843 5843 5843 5843 5843 9777
13 6242 6242 6242 6242 6242 6242 6242 10349
14 6307 6307 6307 6307 6307 6307 6307 10761
15 6463 6463 6463 6463 6463 6463 6463 11250
16 6685 6685 6685 6685 6685 6685 6685 11706
17 7199 7199 7199 7199 7199 7199 7199 12468
18 7515 7515 7515 7515 7515 7515 7515 13082
19 7768 7768 7768 7768 7768 7768 7768 13706
20 7688 7688 7688 7688 7688 7688 7688 14333
21 11403 11403 11403 11403 11403 11403 11403 15068
22 12050 12050 12050 12050 12050 12050 12050 15489
23 13861 13861 13861 13861 13861 13861 13861 15903
24 13916 13916 13916 13916 13916 13916 13916 16162
25 13357 13357 13357 13357 13357 13357 13357 16462
26 14135 12931 12931 12931 12931 12931 12931 16906
27 15423 15423 15423 15423 15423 15423 15423 17517
28 15215 15215 15215 15215 15215 15215 15215 17869
29 17954 17954 17954 17954 17954 17954 17954 18362
30 18158 18158 18158 18158 18158 18158 18158 18447
31 18184 18184 18184 18184 18184 18184 18184 18518
32 18261 18261 18261 18261 18261 18261 18261 18617
33 18461 18461 18461 18461 18461 18461 18461 18744
34 18752 18752 18752 18752 18752 18752 18752 18901
35 19061 19061 19061 19061 19061 19061 19061 19061
ACOL OUTPUT DATE OF RUN: 11/21/83 10:40:56 BASE YEAR: SEVEN YEAR AVG.

Table I-107
Air Force Officer Retirement Component of ACOL

FILE: ACCUMATO IAGF31 A1

WM/SP CONVENTIONAL MONITOR SYSTEM

| | | | | | | | | |
|--------------------|-----------------------|---------|---------|---------|-------------------------------------|---------|---------|---------|
| ACOL OUTPUT | DATE OF RUN: 11/21/83 | | | | 10:48:56 BASE YEAR: SEVEN YEAR AVG. | | | |
| SERVICE: AIR FORCE | OFFICERS | | | | 14 "AGGREGATE" | | | |
| CURRENT | | | | | | | | |
| YR VESTED: | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| ANNUITY AGE: | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42 |
| MULTIPLIER: | .025 | .025 | .025 | .025 | .025 | .025 | .025 | .025 |
| TERMINATED? | Y | Y | Y | Y | Y | Y | Y | Y |
| PAY CHANGES? | N | N | N | N | N | N | N | N |
| BETA VT.: | .000065 | .000065 | .000065 | .000065 | .000065 | .000065 | .000065 | .000065 |
| INLOSS: | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| COLA ADJ? | N | N | N | N | N | N | N | N |
| AVG. CPI: | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |

--- ACOL RETIREMENT COMPONENT ---

| | | | | | | | |
|-----------------|--------|--------|--------|--------|--------|--------|--------|
| CASE NO. | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| YEAR OF SERVICE | | | | | | | |
| 2 | 5567 | 5189 | 4670 | 3524 | 2955 | 2533 | 2111 |
| 3 | 6162 | 5915 | 5159 | 4580 | 3383 | 2776 | 2313 |
| 4 | 6811 | 6539 | 5885 | 5268 | 3704 | 3037 | 2538 |
| 5 | 7531 | 7230 | 6507 | 5784 | 4884 | 3310 | 2766 |
| 6 | 8782 | 8003 | 7203 | 6403 | 5602 | 3802 | 3022 |
| 7 | 9603 | 8673 | 7886 | 7096 | 6211 | 5111 | 3384 |
| 8 | 10577 | 9659 | 8873 | 7887 | 6901 | 5915 | 3813 |
| 9 | 12341 | 11930 | 9887 | 8789 | 7698 | 6592 | 5238 |
| 10 | 13947 | 13572 | 12215 | 10657 | 8621 | 7372 | 6143 |
| 11 | 15658 | 15555 | 14000 | 12444 | 10889 | 9333 | 6900 |
| 12 | 16166 | 17993 | 16154 | 14394 | 12595 | 10796 | 8998 |
| 13 | 21563 | 21060 | 18954 | 16848 | 14742 | 12636 | 10530 |
| 14 | 25622 | 25024 | 22521 | 20019 | 17517 | 15014 | 12512 |
| 15 | 31060 | 30335 | 27302 | 24208 | 21235 | 18201 | 15168 |
| 16 | 38702 | 37799 | 34019 | 30239 | 26459 | 22679 | 18899 |
| 17 | 58216 | 49044 | 44140 | 38235 | 34331 | 29427 | 24522 |
| 18 | 69456 | 67835 | 61052 | 54268 | 47485 | 40701 | 33918 |
| 19 | 106031 | 105510 | 94959 | 84488 | 73857 | 63306 | 52755 |
| 20 | 223949 | 218723 | 196850 | 174978 | 153106 | 131234 | 109361 |
| 21 | 30945 | 28908 | 18817 | 16727 | 14636 | 12545 | 10454 |
| 22 | 15424 | 19529 | 17576 | 15623 | 13670 | 11717 | 9764 |
| 23 | 24743 | 24113 | 21782 | 19290 | 16879 | 14468 | 12056 |
| 24 | 11207 | 10752 | 15077 | 13482 | 11726 | 10051 | 8376 |
| 25 | 11589 | 16008 | 14407 | 12806 | 11205 | 9605 | 8004 |
| 26 | 9368 | 17442 | 9398 | 8354 | 7309 | 6265 | 5221 |
| 27 | 31464 | 17367 | 15630 | 13894 | 12157 | 10420 | 8683 |
| 28 | 10626 | 17286 | 15558 | 13829 | 12100 | 10372 | 8643 |
| 29 | 26529 | 22767 | 20406 | 18213 | 15937 | 13660 | 11383 |
| 30 | 7808 | 14381 | 12943 | 11585 | 10067 | 8629 | 7100 |
| 31 | -6897 | 91 | 82 | 73 | 64 | 55 | 45 |
| 32 | -6305 | -6305 | -5875 | -5844 | -4414 | -3783 | -3153 |
| 33 | -6537 | -6537 | -5883 | -5229 | -4576 | -3922 | -3268 |
| 34 | -6794 | -6794 | -6115 | -5436 | -4756 | -4077 | -3397 |
| 35 | -6998 | -6998 | -6298 | -5599 | -4899 | -4199 | -3499 |

Table I-108
Air Force Officer Force Structure

IIIF: ACOIMATO PAGE47 A1

VM/SP CONVERSATIONAL MONITOR SYSTEM

| ACOL OUTPUT | | DATE OF PUN: 11/21/83 | | | 10147106 PAGE YEAR: SEVEN YEAR AVG. | | | |
|---------------------|---------|-----------------------|---------|---------|-------------------------------------|---------|---------|---------|
| SERVICE: AIR FORCE | | OFFICERS | | | 14 **AGGREGATE** | | | |
| CURRENT | | | | | | | | |
| YR VESTED: | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| ANNUITY AGE: | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42 |
| MULTIPLIER: | .025 | .025 | .025 | .025 | .025 | .025 | .025 | .025 |
| DISCRIMINATED? | Y | Y | Y | Y | Y | Y | Y | N |
| PAY CHANGE? | N | N | N | N | N | N | N | N |
| BETA WT.: | .000065 | .000065 | .000065 | .000065 | .000065 | .000065 | .000065 | .000065 |
| ENLOSS: | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| COLA ADJ? | N | N | N | N | N | N | N | N |
| AVG. CPI: | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| --- FORCE TABLE --- | | | | | | | | |
| CASE NO. | BAST | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| YEAR OF SERVICE | | | | | | | | |
| 1 | 8628 | 8764 | 9117 | 9488 | 9876 | 10274 | 10670 | 12250 |
| 2 | 8366 | 8503 | 8841 | 9196 | 9567 | 9948 | 10327 | 11832 |
| 3 | 7720 | 7837 | 8127 | 8431 | 8759 | 9077 | 9400 | 10669 |
| 4 | 7196 | 7299 | 7550 | 7812 | 8086 | 8370 | 8649 | 9728 |
| 5 | 6376 | 6457 | 6647 | 6843 | 7047 | 7260 | 7470 | 8253 |
| 6 | 5867 | 5960 | 6113 | 6269 | 6430 | 6597 | 6765 | 7371 |
| 7 | 5164 | 5202 | 5298 | 5394 | 5491 | 5589 | 5692 | 6040 |
| 8 | 4698 | 4717 | 4776 | 4836 | 4892 | 4946 | 5006 | 5196 |
| 9 | 4354 | 4358 | 4391 | 4421 | 4446 | 4469 | 4494 | 4567 |
| 10 | 4114 | 4108 | 4116 | 4125 | 4127 | 4125 | 4124 | 4106 |
| 11 | 3843 | 3831 | 3823 | 3809 | 3789 | 3763 | 3739 | 3642 |
| 12 | 3587 | 3550 | 3520 | 3483 | 3438 | 3386 | 3333 | 3141 |
| 13 | 3337 | 3314 | 3256 | 3195 | 3119 | 3035 | 2946 | 2634 |
| 14 | 3217 | 3192 | 3124 | 3046 | 2956 | 2855 | 2749 | 2367 |
| 15 | 3098 | 3071 | 2995 | 2907 | 2805 | 2691 | 2570 | 2121 |
| 16 | 2966 | 2937 | 2846 | 2740 | 2618 | 2481 | 2332 | 1749 |
| 17 | 2876 | 2848 | 2757 | 2651 | 2527 | 2387 | 2234 | 1615 |
| 18 | 2769 | 2740 | 2649 | 2539 | 2412 | 2264 | 2100 | 1340 |
| 19 | 2641 | 2618 | 2530 | 2425 | 2300 | 2155 | 1991 | 1106 |
| 20 | 2419 | 2448 | 2365 | 2267 | 2150 | 2015 | 1861 | 894 |
| 21 | 1872 | 1567 | 1439 | 1304 | 1105 | 1023 | 882 | 328 |
| 22 | 1441 | 1275 | 1142 | 1007 | 873 | 741 | 616 | 198 |
| 23 | 1180 | 1042 | 905 | 771 | 642 | 522 | 413 | 122 |
| 24 | 998 | 921 | 789 | 662 | 543 | 434 | 337 | 76 |
| 25 | 824 | 785 | 672 | 555 | 447 | 350 | 266 | 56 |
| 26 | 636 | 612 | 509 | 413 | 327 | 252 | 187 | 38 |
| 27 | 464 | 495 | 402 | 316 | 245 | 183 | 132 | 23 |
| 28 | 353 | 398 | 316 | 244 | 183 | 133 | 93 | 14 |
| 29 | 198 | 199 | 146 | 104 | 71 | 47 | 30 | 3 |
| 30 | 124 | 166 | 120 | 84 | 57 | 37 | 23 | 2 |
| 31 | 59 | 111 | 80 | 56 | 38 | 24 | 15 | 1 |
| 32 | 28 | 63 | 46 | 33 | 23 | 15 | 9 | 1 |
| 33 | 13 | 36 | 27 | 19 | 14 | 9 | 6 | 1 |
| 34 | 6 | 20 | 16 | 11 | 8 | 6 | 4 | 0 |
| 35 | 3 | 12 | 9 | 7 | 5 | 3 | 2 | 0 |
| TTL INISTRENGTH | 101467 | 101467 | 101467 | 101467 | 101467 | 101467 | 101467 | 101467 |
| EXP. SERV. LIFE | 12 | 12 | 11 | 11 | 10 | 10 | 10 | 8 |

Table I-109

Air Force Nonprior Service Officer Reenlistment Rates

FILE: ACOLMOTO PAGE57 A1

VM/SP CONVERSATIONAL MONITOR SYSTEM

ACOL OUTPUT DATE OF RUN: 11/21/83 * 16:40:56 BASE YEAR: SEVEN YEAR AVG.
 SERVICE: AIR FORCE OFFICERS 14 ***AGGREGATE**

| CURRENT | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
|--------------|---------|---------|---------|---------|---------|---------|---------|---------|
| YR VESTED: | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| ANNUITY AGE: | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42 |
| MULTIPLIER: | .025 | .025 | .025 | .025 | .025 | .025 | .025 | .025 |
| DECREMENTID? | Y | Y | Y | Y | Y | Y | Y | Y |
| PAY CHANGIS? | N | N | N | N | N | N | N | N |
| BETA WT.: | .000000 | .000000 | .000000 | .000000 | .000000 | .000000 | .000000 | .000000 |
| ENLOSS: | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| COLA ADJ? | N | N | N | N | N | N | N | N |
| AVG. CPI: | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |

*** REENLISTMENT RATES ***

| CASE NO. | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|-----------------|-------|-------|-------|-------|-------|-------|-------|
| YEAR OF SERVICE | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| 1 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 2 | .976 | .976 | .975 | .974 | .973 | .972 | .969 |
| 3 | .966 | .965 | .962 | .958 | .955 | .950 | .948 |
| 4 | .953 | .952 | .949 | .946 | .942 | .937 | .936 |
| 5 | .941 | .940 | .937 | .934 | .930 | .925 | .922 |
| 6 | .930 | .929 | .926 | .923 | .919 | .914 | .912 |
| 7 | .919 | .918 | .915 | .912 | .908 | .903 | .901 |
| 8 | .908 | .907 | .904 | .901 | .897 | .892 | .889 |
| 9 | .897 | .896 | .893 | .890 | .886 | .881 | .878 |
| 10 | .886 | .885 | .882 | .879 | .875 | .870 | .867 |
| 11 | .875 | .874 | .871 | .868 | .864 | .859 | .856 |
| 12 | .864 | .863 | .860 | .857 | .853 | .848 | .845 |
| 13 | .853 | .852 | .849 | .846 | .842 | .837 | .834 |
| 14 | .842 | .841 | .838 | .835 | .831 | .826 | .823 |
| 15 | .831 | .830 | .827 | .824 | .820 | .815 | .812 |
| 16 | .820 | .819 | .816 | .813 | .809 | .804 | .801 |
| 17 | .809 | .808 | .805 | .802 | .798 | .793 | .790 |
| 18 | .798 | .797 | .794 | .791 | .787 | .782 | .779 |
| 19 | .787 | .786 | .783 | .780 | .776 | .771 | .768 |
| 20 | .776 | .775 | .772 | .769 | .765 | .760 | .757 |
| 21 | .765 | .764 | .761 | .758 | .754 | .749 | .746 |
| 22 | .754 | .753 | .750 | .747 | .743 | .738 | .735 |
| 23 | .743 | .742 | .739 | .736 | .732 | .727 | .724 |
| 24 | .732 | .731 | .728 | .725 | .721 | .716 | .713 |
| 25 | .721 | .720 | .717 | .714 | .710 | .705 | .702 |
| 26 | .710 | .709 | .706 | .703 | .699 | .694 | .691 |
| 27 | .709 | .708 | .705 | .702 | .698 | .693 | .690 |
| 28 | .698 | .697 | .694 | .691 | .687 | .682 | .679 |
| 29 | .687 | .686 | .683 | .680 | .676 | .671 | .668 |
| 30 | .676 | .675 | .672 | .669 | .665 | .660 | .657 |
| 31 | .665 | .664 | .661 | .658 | .654 | .649 | .646 |
| 32 | .654 | .653 | .650 | .647 | .643 | .638 | .635 |
| 33 | .643 | .642 | .639 | .636 | .632 | .627 | .624 |
| 34 | .632 | .631 | .628 | .625 | .621 | .616 | .613 |
| 35 | .621 | .620 | .617 | .614 | .610 | .605 | .602 |

Table I-110
Air Force Officer Continuation Rates

FILE: ACOMATO PAGE6F A1

VM/SP CONVENTIONAL MONITOR SYSTEM

| | | | | | | | | |
|----------------------------|-----------------------|---------|---------|---------|-------------------------------------|---------|---------|---------|
| ACOL OUTPUT | DATE OF RUN: 11/21/83 | | | | 10:40:50 BASE YEAR: SEVEN YEAR AVG. | | | |
| SERVICE: AIR FORCE | OFFICERS | | | | 14 **AGGREGATE** | | | |
| CURRENT | | | | | | | | |
| YR VESTED: | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| ANNUITY AGE: | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42 |
| MULTIPLIER: | .025 | .025 | .025 | .025 | .025 | .025 | .025 | .025 |
| DECREMENTED? | Y | Y | Y | Y | Y | Y | Y | N |
| PAY CHANGES? | N | N | N | N | N | N | N | N |
| BETA WT.: | .000005 | .000005 | .000005 | .000005 | .000005 | .000005 | .000005 | .000005 |
| FNLOSS: | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| COLA ADJ? | N | N | N | N | N | N | N | N |
| AVG. CPI: | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| --- CONTINUATION RATES --- | | | | | | | | |
| CASE NO. | 1 | 2 | 3 | 4 | 5 | 6 | 7 | |
| YEAR OF SERVICE | | | | | | | | |
| 1 | 1.220 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 2 | .971 | .970 | .970 | .969 | .969 | .968 | .968 | .966 |
| 3 | .923 | .922 | .919 | .917 | .915 | .912 | .910 | .902 |
| 4 | .872 | .871 | .869 | .867 | .864 | .862 | .860 | .852 |
| 5 | .820 | .819 | .817 | .815 | .812 | .810 | .808 | .800 |
| 6 | .768 | .767 | .765 | .763 | .760 | .758 | .756 | .748 |
| 7 | .716 | .715 | .713 | .711 | .708 | .706 | .704 | .696 |
| 8 | .664 | .663 | .661 | .659 | .656 | .654 | .652 | .644 |
| 9 | .612 | .611 | .609 | .607 | .604 | .602 | .600 | .592 |
| 10 | .560 | .559 | .557 | .555 | .552 | .550 | .548 | .540 |
| 11 | .508 | .507 | .505 | .503 | .500 | .498 | .496 | .488 |
| 12 | .456 | .455 | .453 | .451 | .448 | .446 | .444 | .436 |
| 13 | .404 | .403 | .401 | .399 | .396 | .394 | .392 | .384 |
| 14 | .352 | .351 | .349 | .347 | .344 | .342 | .340 | .332 |
| 15 | .300 | .299 | .297 | .295 | .292 | .290 | .288 | .280 |
| 16 | .248 | .247 | .245 | .243 | .240 | .238 | .236 | .228 |
| 17 | .196 | .195 | .193 | .191 | .188 | .186 | .184 | .176 |
| 18 | .144 | .143 | .141 | .139 | .136 | .134 | .132 | .124 |
| 19 | .092 | .091 | .089 | .087 | .084 | .082 | .080 | .072 |
| 20 | .040 | .039 | .037 | .035 | .032 | .030 | .028 | .020 |
| 21 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| 22 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| 23 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| 24 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| 25 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| 26 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| 27 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| 28 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| 29 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| 30 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| 31 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| 32 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| 33 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| 34 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| 35 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |

Table I-111
Air Force Officer Survival Rates

FILE: ACOMATO PAC17F A1 VN/SP CONVERSATIONAL MONITOR SYSTEM

ACOI OUTPUT DATE OF RUN: 11/21/83 10:40:56 PAGE YEAR: SEVEN YEAR AVG.
SERVICE: AIR FORCE OFFICERS 14 **AGGREGATE**
CURRENT
IR VESTED: 20 20 20 20 20 20 20 20
ANNUITY AGE: 42 42 42 42 42 42 42 42
MULTIPLIER: .025 .025 .025 .025 .025 .025 .025 .025
DECREMENTED? Y Y Y Y Y Y Y N
PAY CHANGES? N N N N N N N N
BETA WT.: .000005 .000005 .000005 .000005 .000005 .000005 .000005 .000005
ENLOSS: .000 .000 .000 .000 .000 .000 .000 .000
COIA ADJ? N N N N N N N N
AVG. CPI: .000 .000 .000 .000 .000 .000 .000 .000
*** SURVIVAL RATES ***
CASE NO. 1 BASE 1 2 3 4 5 6 7
YEAR OF SERVICE
1 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000
2 .971 .970 .970 .969 .969 .968 .968 .966
3 .895 .894 .891 .889 .886 .884 .881 .871
4 .835 .833 .828 .823 .819 .815 .811 .794
5 .740 .737 .729 .721 .714 .707 .700 .674
6 .684 .680 .670 .661 .651 .642 .634 .602
7 .599 .594 .581 .569 .556 .544 .533 .493
8 .545 .538 .524 .510 .495 .481 .469 .424
9 .505 .497 .482 .466 .450 .435 .421 .373
10 .477 .469 .452 .435 .418 .402 .386 .335
11 .446 .437 .419 .401 .384 .366 .350 .297
12 .414 .405 .386 .367 .348 .330 .312 .256
13 .387 .378 .358 .337 .316 .295 .276 .215
14 .373 .364 .343 .321 .299 .278 .258 .193
15 .359 .350 .329 .306 .284 .262 .241 .173
16 .344 .335 .312 .289 .265 .241 .219 .143
17 .334 .325 .302 .279 .256 .232 .209 .132
18 .321 .313 .291 .268 .244 .220 .197 .109
19 .306 .299 .277 .256 .233 .210 .187 .090
20 .281 .279 .259 .239 .218 .196 .174 .073
21 .217 .179 .158 .137 .118 .100 .083 .027
22 .167 .145 .125 .106 .088 .072 .058 .016
23 .138 .119 .099 .081 .065 .051 .039 .008
24 .116 .105 .087 .070 .055 .042 .032 .006
25 .096 .091 .074 .058 .045 .034 .025 .005
26 .074 .070 .056 .044 .033 .024 .018 .003
27 .056 .056 .044 .034 .025 .018 .012 .002
28 .041 .045 .035 .026 .019 .013 .009 .001
29 .023 .023 .016 .011 .007 .003 .003 .000
30 .014 .019 .013 .009 .006 .004 .002 .000
31 .007 .013 .009 .006 .004 .002 .001 .000
32 .003 .007 .005 .003 .002 .001 .001 .000
33 .002 .004 .003 .002 .001 .001 .001 .000
34 .001 .002 .002 .001 .001 .001 .000 .000
35 .000 .001 .001 .001 .000 .000 .000 .000

Table I-112
Air Force Officer Present Value Gap

| FILE: F014 | PVGF | A1 | VM/SP CONVERSATIONAL MONITOR SYSTEM | | | | | |
|--------------------------|-----------------------|---------|-------------------------------------|---------|---------|---------|---------|---------|
| ACOL OUTPUT | DATE OF RUN: 11/21/83 | | 16:40:56 LAST YEAR: SEVEN YEAR AVG. | | | | | |
| SERVICE: AIR FORCE | OFFICERS | | 14 **ACGRFGATE** | | | | | |
| CURRENT | | | | | | | | |
| YR VESTED: | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| ANNUITY AGE: | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42 |
| MULTIPLIER: | .025 | .025 | .025 | .025 | .025 | .025 | .025 | .025 |
| DECREMENTED? | Y | Y | Y | Y | Y | Y | Y | Y |
| PAY CHANGES? | N | N | N | N | N | N | N | N |
| ETA WT.: | .000065 | .000065 | .000065 | .000065 | .000065 | .000065 | .000065 | .000065 |
| INLOSS: | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| COLA ADJ? | N | N | N | N | N | N | N | N |
| AVG. CPI: | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| --- 1: PRESENT VALUE GAP | 2: YR PV MAX --- | | | | | | | |
| CASE NO. | : BASE | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| YEAR OF SERVICE | | | | | | | | |
| 2 | 100819 | -432 | -5906 | -4304 | -8173 | -12993 | -17813 | -32725 |
| 2 | 22 | 23 | 23 | 28 | 29 | 29 | 29 | 34 |
| 3 | 116915 | -2581 | -6605 | -12736 | -18384 | -14536 | -19933 | -36619 |
| 3 | 21 | 21 | 22 | 22 | 27 | 28 | 26 | 33 |
| 4 | 129192 | -2846 | -9686 | -14247 | -11454 | -16037 | -21986 | -40391 |
| 4 | 20 | 20 | 20 | 21 | 26 | 27 | 27 | 32 |
| 5 | 138163 | -3117 | -10606 | -18095 | -22781 | -17560 | -24075 | -44228 |
| 5 | 19 | 19 | 19 | 19 | 20 | 26 | 26 | 31 |
| 6 | 157615 | 5015 | -3148 | -11311 | -19474 | -12588 | -17829 | -39796 |
| 6 | 16 | 18 | 18 | 18 | 18 | 24 | 25 | 30 |
| 7 | 144045 | 5452 | -3422 | -12295 | -21168 | -26614 | -19380 | -43259 |
| 7 | 15 | 17 | 17 | 17 | 17 | 18 | 24 | 29 |
| 8 | 149801 | 5904 | -3706 | -13315 | -22925 | -32535 | -20989 | -46849 |
| 8 | 14 | 16 | 16 | 16 | 16 | 16 | 23 | 28 |
| 9 | 156751 | -13388 | -4002 | -14381 | -24759 | -35138 | -41363 | -50597 |
| 9 | 13 | 12 | 15 | 15 | 15 | 15 | 16 | 27 |
| 10 | 164081 | -14446 | -25088 | -35736 | -26715 | -37914 | -49112 | -51394 |
| 10 | 12 | 11 | 11 | 11 | 14 | 14 | 14 | 26 |
| 11 | 172810 | -15587 | -27070 | -38553 | -50035 | -61518 | -52992 | -58907 |
| 11 | 11 | 10 | 10 | 10 | 10 | 10 | 13 | 25 |
| 12 | 180447 | -16771 | -29127 | -41483 | -53838 | -66194 | -78549 | -83384 |
| 12 | 10 | 9 | 9 | 9 | 9 | 9 | 9 | 24 |
| 13 | 175524 | -3177 | -16471 | -29766 | -43060 | -56355 | -69650 | -53332 |
| 13 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 23 |
| 14 | 182353 | -3415 | -17707 | -31998 | -46290 | -60582 | -74873 | -57332 |
| 14 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 22 |
| 15 | 190038 | -3671 | -19035 | -34398 | -49762 | -65125 | -80489 | -61632 |
| 15 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 21 |
| 16 | 197945 | -3939 | -20424 | -36909 | -53394 | -69879 | -86364 | -66131 |
| 16 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 20 |
| 17 | 207266 | -4231 | -21936 | -39641 | -57346 | -75050 | -92755 | -71025 |
| 17 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 19 |
| 18 | 215562 | -4540 | -23037 | -42534 | -61532 | -80529 | -99527 | -76229 |
| 18 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 18 |
| 19 | 223721 | -4871 | -25755 | -45639 | -66024 | -86408 | -106792 | -81773 |
| 19 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 17 |
| 20 | 231637 | -5227 | -27299 | -48971 | -70543 | -92716 | -114528 | -87742 |
| 20 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 16 |
| 21 | 42349 | -10037 | -12128 | -14219 | -16310 | -18400 | -20491 | 103665 |
| 21 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 15 |

Table I-112 (Con't)
Air Force Officer Present Value Gap

| FILE: P014 | PVCF | A1 | VM/SP CONVERSATIONAL MONITOR SYSTEM | | | | | |
|------------|-------|--------|-------------------------------------|--------|--------|--------|--------|--------|
| 22 | 27474 | 4105 | 2152 | 199 | -1754 | -3706 | -5659 | 116694 |
| 22 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 14 |
| 23 | 38604 | -630 | -3041 | -5453 | -7864 | -10275 | -12687 | 103026 |
| 23 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 13 |
| 24 | 25123 | 5545 | 3670 | 2195 | 520 | -1155 | -2831 | 111846 |
| 24 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 12 |
| 25 | 24946 | 4419 | 2818 | 1217 | -384 | -1985 | -3585 | 106720 |
| 25 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 11 |
| 26 | 45470 | -22096 | -23140 | -24185 | -25229 | -26273 | -27317 | 81358 |
| 26 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 10 |
| 27 | 46886 | -14897 | -15834 | -17571 | -19307 | -21044 | -22781 | 74982 |
| 27 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 9 |
| 28 | 25842 | 6660 | 4931 | 3203 | 1474 | -255 | -1983 | 88162 |
| 28 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 8 |
| 29 | 44424 | -3763 | -6039 | -8316 | -10593 | -12869 | -15146 | 61310 |
| 29 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 |
| 30 | 25966 | 6573 | 5135 | 3697 | 2259 | 821 | -617 | 68120 |
| 30 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 6 |
| 31 | 12087 | 6188 | 6179 | 6170 | 6161 | 6152 | 6143 | 69155 |
| 31 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 5 |
| 32 | 11976 | 0 | 631 | 1261 | 1892 | 2522 | 3153 | 55497 |
| 32 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 4 |
| 33 | 11925 | 0 | 654 | 1307 | 1961 | 2615 | 3268 | 40718 |
| 33 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 3 |
| 34 | 11958 | 0 | 679 | 1359 | 2038 | 2718 | 3397 | 24608 |
| 34 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 |
| 35 | 12062 | 0 | 700 | 1400 | 2099 | 2799 | 3499 | 6998 |
| 35 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

Table I-113
Air Force Officer High-3 Force Grade Strengths

| | | | | | | | | | | | | | | |
|--------------------|--|--------------------------------------|----------------------------------|----------|-------|------|---|---|---|-------|--------|------|------|--------|
| FILE: F0446C | PI3F | AI | WM/SP CONFIDENTIAL FORNOR SYSTEM | PAGE 001 | | | | | | | | | | |
| ACOL OUTPUT | DATE OF ESM: 11/21/63 | IC: PRICE BASE YEAR: CELEM YEAR AVG. | | | | | | | | | | | | |
| SERVICE: AIE FORCE | OFFICERS | 14 *ACOL-CALIF* | | | | | | | | | | | | |
| CURRENT | | | | | | | | | | | | | | |
| USAF14 ACOL | WES: 2671AU-42MULT= .425; EI AVG-3; DEC-V; CHPAY-A; DUAL TIK-W; BETA- .002065; INLOSS= .00; INC COLA-M | | | | | | | | | | | | | |
| 105 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | TOTAL | LOSSES | LOSS | REM | CONT |
| 1 | E764 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8764 | 280 | .039 | 9.0 | 1.020 |
| 2 | E288 | 215 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8563 | 666 | .078 | .922 | .978 |
| 3 | 0 | 7639 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7637 | 538 | .069 | .931 | .894 |
| 4 | 0 | 6514 | 765 | 0 | 0 | 0 | 0 | 0 | 0 | 7299 | 542 | .115 | .885 | .833 |
| 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6457 | 497 | .077 | .923 | .737 |
| 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5660 | 758 | .127 | .873 | .688 |
| 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5282 | 485 | .093 | .907 | .594 |
| 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4717 | 358 | .076 | .924 | .538 |
| 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4358 | 258 | .057 | .943 | .497 |
| 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4188 | 278 | .068 | .932 | .469 |
| 11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3831 | 281 | .073 | .927 | .437 |
| 12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3550 | 235 | .066 | .934 | .405 |
| 13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3314 | 123 | .037 | .963 | .378 |
| 14 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3192 | 120 | .038 | .952 | .364 |
| 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2871 | 134 | .044 | .956 | .358 |
| 16 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2537 | 88 | .038 | .978 | .335 |
| 17 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2448 | 186 | .038 | .962 | .325 |
| 18 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2740 | 122 | .045 | .955 | .313 |
| 19 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2615 | 170 | .065 | .935 | .299 |
| 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2445 | 881 | .186 | .814 | .279 |
| 21 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1567 | 232 | .186 | .814 | .179 |
| 22 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1275 | 233 | .183 | .817 | .145 |
| 23 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1842 | 121 | .116 | .894 | .119 |
| 24 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 921 | 126 | .136 | .864 | .105 |
| 25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 795 | 183 | .238 | .778 | .091 |
| 26 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 612 | 118 | .192 | .808 | .070 |
| 27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 495 | 96 | .195 | .805 | .056 |
| 28 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 398 | 199 | .334 | .666 | .019 |
| 29 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 199 | 33 | .431 | .569 | .007 |
| 30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 166 | 56 | .431 | .569 | .007 |
| 31 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 111 | 48 | .429 | .571 | .002 |
| 32 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 63 | 36 | .429 | .571 | .002 |
| 33 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 28 | 15 | .429 | .571 | .002 |
| 34 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12 | 12 | .429 | .571 | .002 |
| 35 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4964 | 8764 | .187 | .813 | 11.578 |
| TOTAL | 17E52 | 14796 | 35341 | 18376 | 18308 | 4964 | 5 | 5 | 5 | | | | | |
| PERCENT | 17 | 15 | 35 | 18 | 11 | 5 | 5 | 5 | 5 | | | | | |
| CEILING | 14 | 14 | 36 | 19 | 12 | 5 | 5 | 5 | 5 | | | | | |

Table I-114

MM/SP CONVERSATIONAL MONITOR SYSTEM

FILE: 101416 30DEC7 AS

ACOL OUTPUT DATE OF RUN: 11/21/83 16:40:56 EAST YEAR: SEVEN YEAR AVG.

SERVICE: AIR FORCE

| LOS | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | TOTAL | LOSSES | LOSS | RYM | COMT |
|----------|-------|-------|-------|-------|------|------|---|---|---|--------|--------|-------|------|--------|
| 1 | 9876 | | | | | | | | | 9876 | 368 | .431 | .569 | 1.000 |
| 2 | 9325 | 242 | | | | | | | | 9567 | 817 | .285 | .915 | .969 |
| 3 | | 8528 | 222 | | | | | | | 8754 | 663 | .276 | .924 | .886 |
| 4 | | 7215 | 872 | | | | | | | 8086 | 1239 | .128 | .872 | .819 |
| 5 | | 345 | 6699 | 43 | | | | | | 7447 | 617 | .098 | .912 | .714 |
| 6 | | 161 | 5088 | 351 | 39 | | | | | 6438 | 939 | .146 | .854 | .651 |
| 7 | | | 5462 | 373 | 36 | | | | | 5491 | 599 | .189 | .891 | .536 |
| 8 | | | 4483 | 377 | 31 | | | | | 4652 | 445 | .091 | .909 | .495 |
| 9 | | | 4826 | 394 | 28 | | | | | 4446 | 319 | .072 | .928 | .458 |
| 10 | | | 3557 | 432 | 26 | | | | | 4127 | 338 | .082 | .916 | .418 |
| 11 | | | 2502 | 1255 | 27 | | | | | 3789 | 359 | .092 | .908 | .384 |
| 12 | | | 1314 | 1957 | 151 | 16 | | | | 3438 | 319 | .083 | .907 | .348 |
| 13 | | | 511 | 2446 | 149 | 14 | | | | 3119 | 163 | .051 | .948 | .316 |
| 14 | | | 291 | 2494 | 168 | 11 | | | | 2956 | 151 | .051 | .949 | .299 |
| 15 | | | 270 | 2326 | 198 | 10 | | | | 2885 | 187 | .067 | .933 | .284 |
| 16 | | | 243 | 1871 | 192 | 12 | | | | 2616 | 91 | .035 | .965 | .265 |
| 17 | | | 214 | 1192 | 1185 | 17 | | | | 2527 | 115 | .046 | .954 | .256 |
| 18 | | | 175 | 655 | 1544 | 74 | | | | 2412 | 111 | .046 | .954 | .244 |
| 19 | | | 148 | 534 | 1538 | 68 | | | | 2300 | 139 | .085 | .935 | .233 |
| 20 | | | 111 | 478 | 1397 | 172 | | | | 2159 | 283 | .251 | .749 | .218 |
| 21 | | | | | 797 | 366 | | | | 1675 | 256 | .284 | .736 | .088 |
| 22 | | | | | 421 | 451 | | | | 1264 | 264 | .351 | .542 | .118 |
| 23 | | | | | 282 | 352 | | | | 842 | 99 | .154 | .846 | .065 |
| 24 | | | | | 214 | 329 | | | | 543 | 96 | .177 | .823 | .055 |
| 25 | | | | | 154 | 283 | | | | 447 | 124 | .268 | .752 | .045 |
| 26 | | | | | 181 | 226 | | | | 327 | 82 | .259 | .759 | .033 |
| 27 | | | | | 67 | 178 | | | | 245 | 62 | .253 | .747 | .025 |
| 28 | | | | | 46 | 137 | | | | 183 | 112 | .618 | .398 | .019 |
| 29 | | | | | | 71 | | | | 71 | 15 | .286 | .792 | .007 |
| 30 | | | | | | 57 | | | | 57 | 19 | .354 | .866 | .006 |
| 31 | | | | | | 38 | | | | 38 | 15 | .401 | .959 | .004 |
| 32 | | | | | | 23 | | | | 23 | 9 | .468 | .688 | .002 |
| 33 | | | | | | 14 | | | | 14 | 5 | .599 | .601 | .001 |
| 34 | | | | | | 8 | | | | 8 | 3 | .396 | .604 | .001 |
| 35 | | | | | | 5 | | | | 5 | 5 | 1.888 | .888 | .000 |
| TOTAL | 19286 | 15452 | 36696 | 17191 | 2962 | 2064 | 5 | 5 | 5 | 181467 | 9876 | | .792 | 18.275 |
| PRIORITY | 19 | 16 | 36 | 17 | 5 | 3 | | | | 100 | | | | |
| CHILL | 14 | 14 | 36 | 19 | 12 | 5 | | | | | | | | |

Table I-115
Air Force Officer Cost Summary

FILE: COST14FO COSTOF A1

VM/SP CONVERSATIONAI MONITOR SYSTEM

ACOL OUTPUT DATE OF RUN: 11/21/83 16:40:56 BASE YEAR: SEVEN YEAR AVG.
SERVICE: AIR FORCE OFFICERS 14 **AGGREGATE**

CURRENT
YR VESTED: 20 20 20 20 20 20 20 20
ANNUITY AGE: 42 42 42 42 42 42 42 42
MULTIPLIER: .025 .025 .025 .025 .025 .025 .025 .025
DECREMENTED? Y Y Y Y Y Y Y Y
PAY CHANCES? N N N N N N N N
BETA WT.: .000065 .000065 .000065 .000065 .000065 .000065 .000065 .000065
ENLOSS: .000 .000 .000 .000 .000 .000 .000 .000
COLA ADJ? N N N N N N N N
AVG. CPI: .000 .000 .000 .000 .000 .000 .000 .000

--- SUMMARY TABLE : MILITARY PAY (MIL'S) FOR YEAR 81 ---
CASE NO. : BASE 1 2 3 4 5 6 7
YEAR OF SERVICE
1 - 4 YEARS 665.25 675.60 701.05 727.74 755.65 784.37 812.82 824.60
5 - 10 YEARS 958.45 964.40 981.01 997.60 1014.10 1030.97 1048.17 1108.40
11 - 20 YEARS 1192.68 1185.72 1158.37 1125.86 1087.83 1044.36 996.89 782.97
21 - 30 YEARS 484.19 393.42 321.09 271.74 225.93 184.19 146.99 41.08
MORE THAN 30 Y 6.06 13.44 9.89 7.25 4.83 3.19 2.01 .18
-- TOTAL -- 3226.63 3212.57 3171.41 3129.99 3088.42 3047.07 3006.68 2857.43

--- MILITARY PAY (MIL'S) FOR YEAR 81, BY SOURCE ---
CASE NO. : BASE 1 2 3 4 5 6 7
YEAR OF SERVICE
BASE PAY 2422.38 2410.42 2374.60 2338.74 2302.95 2267.53 2233.21 2186.48
BAS 131.73 131.73 131.74 131.73 131.74 131.73 131.73 131.73
VHA 89.49 89.15 68.36 67.61 66.77 65.92 65.03 61.60
BAQ 453.58 452.12 448.21 444.24 440.23 436.21 432.28 417.44
S+I 149.72 149.15 148.47 147.87 146.74 145.70 144.63 140.17
XMAS BONUS .00 .00 .00 .00 .00 .00 .00 .00
--TOTAL-- 3226.63 3212.57 3171.41 3129.99 3088.42 3047.07 3006.68 2857.43

--- SUMMARY TABLE : RETIREMENT (MIL'S) FOR YEAR 81 ---
CASE NO. : BASE 1 2 3 4 5 6 7
YEAR OF SERVICE
1 - 4 YEARS 2.96 2.98 2.88 2.75 2.57 2.35 2.00 .00
5 - 10 YEARS 7.14 7.21 6.96 6.64 6.24 5.73 5.29 .00
11 - 20 YEARS 768.46 917.98 863.17 797.30 720.02 632.68 538.89 .00
21 - 30 YEARS 1353.95 1257.43 881.71 715.93 560.93 422.71 302.77 .00
MORE THAN 30 Y 49.59 91.50 60.04 37.25 21.93 12.15 6.26 .00
-- TOTAL -- 2182.09 2077.10 1814.76 1559.87 1311.69 1075.61 855.10 .00

TAX ADV(MIL'S): 291.89 289.95 264.46 270.99 273.56 268.22 263.07 244.2

-> -> -> -> TOTAL COST (MIL'S) FOR YEAR 81
MILITARY 3226.63 3212.57 3171.41 3129.99 3088.42 3047.07 3006.68 2857.43
RETIREMENT 2182.09 2077.10 1814.76 1559.87 1311.69 1075.61 855.10 .00
DEATH PEN. .39 .39 .38 .35 .35 .35 .33 .30
-- TOTAL -- 5408.31 5290.07 4986.54 4690.21 4400.46 4123.03 3862.31 2857.73

Table I-116
Army Officer Transition Continuation Rates

FILE: C51E11AO C7562-1A A1

WM/P CONVENTIONAL WARION SYSTEM

| CONTINUATION RATES, SCENARIO 2, GRANDFAIRFIELD A1 Y05 25 1/24/84 23:01:52 | | | | | | | | | |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Y05 | Y04 | Y03 | Y02 | Y01 | Y00 | Y99 | Y98 | Y97 | Y96 |
| 1 | .9547 | .9577 | .9577 | .9577 | .9577 | .9577 | .9577 | .9577 | .9577 |
| 2 | .9547 | .9577 | .9577 | .9577 | .9577 | .9577 | .9577 | .9577 | .9577 |
| 3 | .9547 | .9577 | .9577 | .9577 | .9577 | .9577 | .9577 | .9577 | .9577 |
| 4 | .9547 | .9577 | .9577 | .9577 | .9577 | .9577 | .9577 | .9577 | .9577 |
| 5 | .9547 | .9577 | .9577 | .9577 | .9577 | .9577 | .9577 | .9577 | .9577 |
| 6 | .9547 | .9577 | .9577 | .9577 | .9577 | .9577 | .9577 | .9577 | .9577 |
| 7 | .9547 | .9577 | .9577 | .9577 | .9577 | .9577 | .9577 | .9577 | .9577 |
| 8 | .9547 | .9577 | .9577 | .9577 | .9577 | .9577 | .9577 | .9577 | .9577 |
| 9 | .9547 | .9577 | .9577 | .9577 | .9577 | .9577 | .9577 | .9577 | .9577 |
| 10 | .9547 | .9577 | .9577 | .9577 | .9577 | .9577 | .9577 | .9577 | .9577 |
| 11 | .9547 | .9577 | .9577 | .9577 | .9577 | .9577 | .9577 | .9577 | .9577 |
| 12 | .9547 | .9577 | .9577 | .9577 | .9577 | .9577 | .9577 | .9577 | .9577 |
| 13 | .9547 | .9577 | .9577 | .9577 | .9577 | .9577 | .9577 | .9577 | .9577 |
| 14 | .9547 | .9577 | .9577 | .9577 | .9577 | .9577 | .9577 | .9577 | .9577 |
| 15 | .9547 | .9577 | .9577 | .9577 | .9577 | .9577 | .9577 | .9577 | .9577 |
| 16 | .9547 | .9577 | .9577 | .9577 | .9577 | .9577 | .9577 | .9577 | .9577 |
| 17 | .9547 | .9577 | .9577 | .9577 | .9577 | .9577 | .9577 | .9577 | .9577 |
| 18 | .9547 | .9577 | .9577 | .9577 | .9577 | .9577 | .9577 | .9577 | .9577 |
| 19 | .9547 | .9577 | .9577 | .9577 | .9577 | .9577 | .9577 | .9577 | .9577 |
| 20 | .9547 | .9577 | .9577 | .9577 | .9577 | .9577 | .9577 | .9577 | .9577 |
| 21 | .9547 | .9577 | .9577 | .9577 | .9577 | .9577 | .9577 | .9577 | .9577 |
| 22 | .9547 | .9577 | .9577 | .9577 | .9577 | .9577 | .9577 | .9577 | .9577 |
| 23 | .9547 | .9577 | .9577 | .9577 | .9577 | .9577 | .9577 | .9577 | .9577 |
| 24 | .9547 | .9577 | .9577 | .9577 | .9577 | .9577 | .9577 | .9577 | .9577 |
| 25 | .9547 | .9577 | .9577 | .9577 | .9577 | .9577 | .9577 | .9577 | .9577 |
| 26 | .9547 | .9577 | .9577 | .9577 | .9577 | .9577 | .9577 | .9577 | .9577 |
| 27 | .9547 | .9577 | .9577 | .9577 | .9577 | .9577 | .9577 | .9577 | .9577 |
| 28 | .9547 | .9577 | .9577 | .9577 | .9577 | .9577 | .9577 | .9577 | .9577 |
| 29 | .9547 | .9577 | .9577 | .9577 | .9577 | .9577 | .9577 | .9577 | .9577 |
| 30 | .9547 | .9577 | .9577 | .9577 | .9577 | .9577 | .9577 | .9577 | .9577 |
| 31 | .9547 | .9577 | .9577 | .9577 | .9577 | .9577 | .9577 | .9577 | .9577 |
| 32 | .9547 | .9577 | .9577 | .9577 | .9577 | .9577 | .9577 | .9577 | .9577 |
| 33 | .9547 | .9577 | .9577 | .9577 | .9577 | .9577 | .9577 | .9577 | .9577 |
| 34 | .9547 | .9577 | .9577 | .9577 | .9577 | .9577 | .9577 | .9577 | .9577 |

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Table I-117
Navy Officer Transition Continuation Rates

FILE: CSH11110 07552-111 A1

V4/SP CONFESSIONAL MONITOR SYSTEM

CONTINUATION RATES, SCENARIO 2 OF ANCHORING AT JOE 25 1/24/54 22:42:35

| IOE | Y24 Yr: | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 12 | 15 | 23 | 25 | 29 |
|-----|---------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1 | 3627 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 |
| 2 | 3627 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 |
| 3 | 3627 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 |
| 4 | 3627 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 |
| 5 | 3627 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 |
| 6 | 3627 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 |
| 7 | 3627 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 |
| 8 | 3627 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 |
| 9 | 3627 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 |
| 10 | 3627 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 |
| 11 | 3627 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 |
| 12 | 3627 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 |
| 13 | 3627 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 |
| 14 | 3627 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 |
| 15 | 3627 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 |
| 16 | 3627 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 |
| 17 | 3627 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 |
| 18 | 3627 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 |
| 19 | 3627 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 |
| 20 | 3627 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 |
| 21 | 3627 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 |
| 22 | 3627 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 |
| 23 | 3627 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 |
| 24 | 3627 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 |
| 25 | 3627 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 |
| 26 | 3627 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 |
| 27 | 3627 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 |
| 28 | 3627 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 |
| 29 | 3627 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 |
| 30 | 3627 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 |
| 31 | 3627 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 |
| 32 | 3627 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 |
| 33 | 3627 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 |
| 34 | 3627 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 | 9629 |

Table I-118
USMC Officer Transition Continuation Rates

RM/SP CONVERSATIONAL MONITOR SYSTEM

| CONTINUATION RATES, SCENARIO 2 GRANDFATHERING AT YOS 35 | | 1/24/84 | | 23:58:23 | | 18 | | 15 | | 28 | | 25 | | 26 | |
|---|-----|---------|------|----------|------|------|------|------|------|------|------|------|------|------|------|
| YOS | YOS | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
| 1 | 1 | 9581 | 9518 | 9518 | 9518 | 9518 | 9518 | 9518 | 9518 | 9518 | 9518 | 9518 | 9518 | 9518 | 9518 |
| 2 | 2 | 9538 | 9553 | 9553 | 9553 | 9553 | 9553 | 9553 | 9553 | 9553 | 9553 | 9553 | 9553 | 9553 | 9553 |
| 3 | 3 | 9554 | 9539 | 9539 | 9539 | 9539 | 9539 | 9539 | 9539 | 9539 | 9539 | 9539 | 9539 | 9539 | 9539 |
| 4 | 4 | 9595 | 9579 | 9579 | 9579 | 9579 | 9579 | 9579 | 9579 | 9579 | 9579 | 9579 | 9579 | 9579 | 9579 |
| 5 | 5 | 9554 | 9575 | 9575 | 9575 | 9575 | 9575 | 9575 | 9575 | 9575 | 9575 | 9575 | 9575 | 9575 | 9575 |
| 6 | 6 | 9554 | 9575 | 9575 | 9575 | 9575 | 9575 | 9575 | 9575 | 9575 | 9575 | 9575 | 9575 | 9575 | 9575 |
| 7 | 7 | 9595 | 9575 | 9575 | 9575 | 9575 | 9575 | 9575 | 9575 | 9575 | 9575 | 9575 | 9575 | 9575 | 9575 |
| 8 | 8 | 9595 | 9575 | 9575 | 9575 | 9575 | 9575 | 9575 | 9575 | 9575 | 9575 | 9575 | 9575 | 9575 | 9575 |
| 9 | 9 | 9569 | 9553 | 9553 | 9553 | 9553 | 9553 | 9553 | 9553 | 9553 | 9553 | 9553 | 9553 | 9553 | 9553 |
| 10 | 10 | 9518 | 9518 | 9518 | 9518 | 9518 | 9518 | 9518 | 9518 | 9518 | 9518 | 9518 | 9518 | 9518 | 9518 |
| 11 | 11 | 9532 | 9545 | 9545 | 9545 | 9545 | 9545 | 9545 | 9545 | 9545 | 9545 | 9545 | 9545 | 9545 | 9545 |
| 12 | 12 | 9588 | 9589 | 9589 | 9589 | 9589 | 9589 | 9589 | 9589 | 9589 | 9589 | 9589 | 9589 | 9589 | 9589 |
| 13 | 13 | 9589 | 9589 | 9589 | 9589 | 9589 | 9589 | 9589 | 9589 | 9589 | 9589 | 9589 | 9589 | 9589 | 9589 |
| 14 | 14 | 9592 | 9592 | 9592 | 9592 | 9592 | 9592 | 9592 | 9592 | 9592 | 9592 | 9592 | 9592 | 9592 | 9592 |
| 15 | 15 | 9517 | 9523 | 9523 | 9523 | 9523 | 9523 | 9523 | 9523 | 9523 | 9523 | 9523 | 9523 | 9523 | 9523 |
| 16 | 16 | 9513 | 9519 | 9519 | 9519 | 9519 | 9519 | 9519 | 9519 | 9519 | 9519 | 9519 | 9519 | 9519 | 9519 |
| 17 | 17 | 9538 | 9534 | 9534 | 9534 | 9534 | 9534 | 9534 | 9534 | 9534 | 9534 | 9534 | 9534 | 9534 | 9534 |
| 18 | 18 | 9556 | 9556 | 9556 | 9556 | 9556 | 9556 | 9556 | 9556 | 9556 | 9556 | 9556 | 9556 | 9556 | 9556 |
| 19 | 19 | 9514 | 9514 | 9514 | 9514 | 9514 | 9514 | 9514 | 9514 | 9514 | 9514 | 9514 | 9514 | 9514 | 9514 |
| 20 | 20 | 9559 | 9544 | 9544 | 9544 | 9544 | 9544 | 9544 | 9544 | 9544 | 9544 | 9544 | 9544 | 9544 | 9544 |
| 21 | 21 | 9555 | 9554 | 9554 | 9554 | 9554 | 9554 | 9554 | 9554 | 9554 | 9554 | 9554 | 9554 | 9554 | 9554 |
| 22 | 22 | 9557 | 9551 | 9551 | 9551 | 9551 | 9551 | 9551 | 9551 | 9551 | 9551 | 9551 | 9551 | 9551 | 9551 |
| 23 | 23 | 9547 | 9546 | 9546 | 9546 | 9546 | 9546 | 9546 | 9546 | 9546 | 9546 | 9546 | 9546 | 9546 | 9546 |
| 24 | 24 | 9533 | 9541 | 9541 | 9541 | 9541 | 9541 | 9541 | 9541 | 9541 | 9541 | 9541 | 9541 | 9541 | 9541 |
| 25 | 25 | 9533 | 9542 | 9542 | 9542 | 9542 | 9542 | 9542 | 9542 | 9542 | 9542 | 9542 | 9542 | 9542 | 9542 |
| 26 | 26 | 9561 | 9554 | 9554 | 9554 | 9554 | 9554 | 9554 | 9554 | 9554 | 9554 | 9554 | 9554 | 9554 | 9554 |
| 27 | 27 | 9563 | 9528 | 9528 | 9528 | 9528 | 9528 | 9528 | 9528 | 9528 | 9528 | 9528 | 9528 | 9528 | 9528 |
| 28 | 28 | 9573 | 9559 | 9559 | 9559 | 9559 | 9559 | 9559 | 9559 | 9559 | 9559 | 9559 | 9559 | 9559 | 9559 |
| 29 | 29 | 9578 | 9543 | 9543 | 9543 | 9543 | 9543 | 9543 | 9543 | 9543 | 9543 | 9543 | 9543 | 9543 | 9543 |
| 30 | 30 | 9578 | 9545 | 9545 | 9545 | 9545 | 9545 | 9545 | 9545 | 9545 | 9545 | 9545 | 9545 | 9545 | 9545 |
| 31 | 31 | 9564 | 9554 | 9554 | 9554 | 9554 | 9554 | 9554 | 9554 | 9554 | 9554 | 9554 | 9554 | 9554 | 9554 |
| 32 | 32 | 9587 | 9587 | 9587 | 9587 | 9587 | 9587 | 9587 | 9587 | 9587 | 9587 | 9587 | 9587 | 9587 | 9587 |
| 33 | 33 | 9527 | 9527 | 9527 | 9527 | 9527 | 9527 | 9527 | 9527 | 9527 | 9527 | 9527 | 9527 | 9527 | 9527 |
| 34 | 34 | 9558 | 9558 | 9558 | 9558 | 9558 | 9558 | 9558 | 9558 | 9558 | 9558 | 9558 | 9558 | 9558 | 9558 |

DATE: 01/14/2013 13:45:00 P/AM

[illegible]

Table I-120
Army Enlisted Transition Continuation Rates
10/SP CONVENTIONAL WEAPON SYSTEM

| CONTINUATION RATES, SCENARIO 2 CHARACTERISTICS AT YOS 13 1/4/84 15:58:16 | | | | | | | | | |
|--|------|------|------|------|------|------|------|------|------|
| YOS | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 9 | 12 |
| 1 | 8725 | 8726 | 8726 | 8726 | 8726 | 8726 | 8726 | 8726 | 8726 |
| 2 | 8725 | 8726 | 8726 | 8726 | 8726 | 8726 | 8726 | 8726 | 8726 |
| 3 | 8725 | 8726 | 8726 | 8726 | 8726 | 8726 | 8726 | 8726 | 8726 |
| 4 | 8725 | 8726 | 8726 | 8726 | 8726 | 8726 | 8726 | 8726 | 8726 |
| 5 | 8725 | 8726 | 8726 | 8726 | 8726 | 8726 | 8726 | 8726 | 8726 |
| 6 | 8725 | 8726 | 8726 | 8726 | 8726 | 8726 | 8726 | 8726 | 8726 |
| 7 | 8725 | 8726 | 8726 | 8726 | 8726 | 8726 | 8726 | 8726 | 8726 |
| 8 | 8725 | 8726 | 8726 | 8726 | 8726 | 8726 | 8726 | 8726 | 8726 |
| 9 | 8725 | 8726 | 8726 | 8726 | 8726 | 8726 | 8726 | 8726 | 8726 |
| 10 | 8725 | 8726 | 8726 | 8726 | 8726 | 8726 | 8726 | 8726 | 8726 |
| 11 | 8725 | 8726 | 8726 | 8726 | 8726 | 8726 | 8726 | 8726 | 8726 |
| 12 | 8725 | 8726 | 8726 | 8726 | 8726 | 8726 | 8726 | 8726 | 8726 |
| 13 | 8725 | 8726 | 8726 | 8726 | 8726 | 8726 | 8726 | 8726 | 8726 |
| 14 | 8725 | 8726 | 8726 | 8726 | 8726 | 8726 | 8726 | 8726 | 8726 |
| 15 | 8725 | 8726 | 8726 | 8726 | 8726 | 8726 | 8726 | 8726 | 8726 |
| 16 | 8725 | 8726 | 8726 | 8726 | 8726 | 8726 | 8726 | 8726 | 8726 |
| 17 | 8725 | 8726 | 8726 | 8726 | 8726 | 8726 | 8726 | 8726 | 8726 |
| 18 | 8725 | 8726 | 8726 | 8726 | 8726 | 8726 | 8726 | 8726 | 8726 |
| 19 | 8725 | 8726 | 8726 | 8726 | 8726 | 8726 | 8726 | 8726 | 8726 |
| 20 | 8725 | 8726 | 8726 | 8726 | 8726 | 8726 | 8726 | 8726 | 8726 |
| 21 | 8725 | 8726 | 8726 | 8726 | 8726 | 8726 | 8726 | 8726 | 8726 |
| 22 | 8725 | 8726 | 8726 | 8726 | 8726 | 8726 | 8726 | 8726 | 8726 |
| 23 | 8725 | 8726 | 8726 | 8726 | 8726 | 8726 | 8726 | 8726 | 8726 |
| 24 | 8725 | 8726 | 8726 | 8726 | 8726 | 8726 | 8726 | 8726 | 8726 |
| 25 | 8725 | 8726 | 8726 | 8726 | 8726 | 8726 | 8726 | 8726 | 8726 |
| 26 | 8725 | 8726 | 8726 | 8726 | 8726 | 8726 | 8726 | 8726 | 8726 |
| 27 | 8725 | 8726 | 8726 | 8726 | 8726 | 8726 | 8726 | 8726 | 8726 |
| 28 | 8725 | 8726 | 8726 | 8726 | 8726 | 8726 | 8726 | 8726 | 8726 |
| 29 | 8725 | 8726 | 8726 | 8726 | 8726 | 8726 | 8726 | 8726 | 8726 |
| 30 | 8725 | 8726 | 8726 | 8726 | 8726 | 8726 | 8726 | 8726 | 8726 |
| 31 | 8725 | 8726 | 8726 | 8726 | 8726 | 8726 | 8726 | 8726 | 8726 |
| 32 | 8725 | 8726 | 8726 | 8726 | 8726 | 8726 | 8726 | 8726 | 8726 |
| 33 | 8725 | 8726 | 8726 | 8726 | 8726 | 8726 | 8726 | 8726 | 8726 |
| 34 | 8725 | 8726 | 8726 | 8726 | 8726 | 8726 | 8726 | 8726 | 8726 |

Table I-121
Navy Enlisted Transition Continuation Rates

FILE: C51012AF 17562-1N 11

14/5P COMBINATION RATE 512718

| CONTINUATION RATE, SCENARIO 2 GRANDPARENTING AT YOC 12 | 1/14/54 | 6 | 5 | 4 | 3 | 2 | 1 | YOS FILE 1E: |
|--|---------|------|------|------|------|------|------|--------------|
| 1 | 5715 | 5715 | 5715 | 5715 | 5715 | 5715 | 5715 | 1 |
| 2 | 5715 | 5715 | 5715 | 5715 | 5715 | 5715 | 5715 | 2 |
| 3 | 5715 | 5715 | 5715 | 5715 | 5715 | 5715 | 5715 | 3 |
| 4 | 5715 | 5715 | 5715 | 5715 | 5715 | 5715 | 5715 | 4 |
| 5 | 5715 | 5715 | 5715 | 5715 | 5715 | 5715 | 5715 | 5 |
| 6 | 5715 | 5715 | 5715 | 5715 | 5715 | 5715 | 5715 | 6 |
| 7 | 5715 | 5715 | 5715 | 5715 | 5715 | 5715 | 5715 | 7 |
| 8 | 5715 | 5715 | 5715 | 5715 | 5715 | 5715 | 5715 | 8 |
| 9 | 5715 | 5715 | 5715 | 5715 | 5715 | 5715 | 5715 | 9 |
| 10 | 5715 | 5715 | 5715 | 5715 | 5715 | 5715 | 5715 | 10 |
| 11 | 5715 | 5715 | 5715 | 5715 | 5715 | 5715 | 5715 | 11 |
| 12 | 5715 | 5715 | 5715 | 5715 | 5715 | 5715 | 5715 | 12 |
| 13 | 5715 | 5715 | 5715 | 5715 | 5715 | 5715 | 5715 | 13 |
| 14 | 5715 | 5715 | 5715 | 5715 | 5715 | 5715 | 5715 | 14 |
| 15 | 5715 | 5715 | 5715 | 5715 | 5715 | 5715 | 5715 | 15 |
| 16 | 5715 | 5715 | 5715 | 5715 | 5715 | 5715 | 5715 | 16 |
| 17 | 5715 | 5715 | 5715 | 5715 | 5715 | 5715 | 5715 | 17 |
| 18 | 5715 | 5715 | 5715 | 5715 | 5715 | 5715 | 5715 | 18 |
| 19 | 5715 | 5715 | 5715 | 5715 | 5715 | 5715 | 5715 | 19 |
| 20 | 5715 | 5715 | 5715 | 5715 | 5715 | 5715 | 5715 | 20 |
| 21 | 5715 | 5715 | 5715 | 5715 | 5715 | 5715 | 5715 | 21 |
| 22 | 5715 | 5715 | 5715 | 5715 | 5715 | 5715 | 5715 | 22 |
| 23 | 5715 | 5715 | 5715 | 5715 | 5715 | 5715 | 5715 | 23 |
| 24 | 5715 | 5715 | 5715 | 5715 | 5715 | 5715 | 5715 | 24 |
| 25 | 5715 | 5715 | 5715 | 5715 | 5715 | 5715 | 5715 | 25 |
| 26 | 5715 | 5715 | 5715 | 5715 | 5715 | 5715 | 5715 | 26 |
| 27 | 5715 | 5715 | 5715 | 5715 | 5715 | 5715 | 5715 | 27 |
| 28 | 5715 | 5715 | 5715 | 5715 | 5715 | 5715 | 5715 | 28 |
| 29 | 5715 | 5715 | 5715 | 5715 | 5715 | 5715 | 5715 | 29 |
| 30 | 5715 | 5715 | 5715 | 5715 | 5715 | 5715 | 5715 | 30 |
| 31 | 5715 | 5715 | 5715 | 5715 | 5715 | 5715 | 5715 | 31 |
| 32 | 5715 | 5715 | 5715 | 5715 | 5715 | 5715 | 5715 | 32 |
| 33 | 5715 | 5715 | 5715 | 5715 | 5715 | 5715 | 5715 | 33 |
| 34 | 5715 | 5715 | 5715 | 5715 | 5715 | 5715 | 5715 | 34 |

Table I-122
USMC Enlisted Transition Continuation Rates

FILE: CSTR122E W7522-1P. AI

Y-12P CONVENTIONAL POLICE SYSTEM

| CONTINUATION RATES, SCENARIO 2 GRANDPARENTING AT YOS 12 1/24/94 22:12:25 | | | | | | | | | |
|--|----------|------|------|------|------|------|------|------|------|
| YOS | Y104 YR: | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 1 | 6544 | 6544 | 6544 | 6544 | 6544 | 6544 | 6544 | 6544 | 6544 |
| 2 | 6544 | 6544 | 6544 | 6544 | 6544 | 6544 | 6544 | 6544 | 6544 |
| 3 | 6544 | 6544 | 6544 | 6544 | 6544 | 6544 | 6544 | 6544 | 6544 |
| 4 | 6544 | 6544 | 6544 | 6544 | 6544 | 6544 | 6544 | 6544 | 6544 |
| 5 | 6544 | 6544 | 6544 | 6544 | 6544 | 6544 | 6544 | 6544 | 6544 |
| 6 | 6544 | 6544 | 6544 | 6544 | 6544 | 6544 | 6544 | 6544 | 6544 |
| 7 | 6544 | 6544 | 6544 | 6544 | 6544 | 6544 | 6544 | 6544 | 6544 |
| 8 | 6544 | 6544 | 6544 | 6544 | 6544 | 6544 | 6544 | 6544 | 6544 |
| 9 | 6544 | 6544 | 6544 | 6544 | 6544 | 6544 | 6544 | 6544 | 6544 |
| 10 | 6544 | 6544 | 6544 | 6544 | 6544 | 6544 | 6544 | 6544 | 6544 |
| 11 | 6544 | 6544 | 6544 | 6544 | 6544 | 6544 | 6544 | 6544 | 6544 |
| 12 | 6544 | 6544 | 6544 | 6544 | 6544 | 6544 | 6544 | 6544 | 6544 |
| 13 | 6544 | 6544 | 6544 | 6544 | 6544 | 6544 | 6544 | 6544 | 6544 |
| 14 | 6544 | 6544 | 6544 | 6544 | 6544 | 6544 | 6544 | 6544 | 6544 |
| 15 | 6544 | 6544 | 6544 | 6544 | 6544 | 6544 | 6544 | 6544 | 6544 |
| 16 | 6544 | 6544 | 6544 | 6544 | 6544 | 6544 | 6544 | 6544 | 6544 |
| 17 | 6544 | 6544 | 6544 | 6544 | 6544 | 6544 | 6544 | 6544 | 6544 |
| 18 | 6544 | 6544 | 6544 | 6544 | 6544 | 6544 | 6544 | 6544 | 6544 |
| 19 | 6544 | 6544 | 6544 | 6544 | 6544 | 6544 | 6544 | 6544 | 6544 |
| 20 | 6544 | 6544 | 6544 | 6544 | 6544 | 6544 | 6544 | 6544 | 6544 |
| 21 | 6544 | 6544 | 6544 | 6544 | 6544 | 6544 | 6544 | 6544 | 6544 |
| 22 | 6544 | 6544 | 6544 | 6544 | 6544 | 6544 | 6544 | 6544 | 6544 |
| 23 | 6544 | 6544 | 6544 | 6544 | 6544 | 6544 | 6544 | 6544 | 6544 |
| 24 | 6544 | 6544 | 6544 | 6544 | 6544 | 6544 | 6544 | 6544 | 6544 |
| 25 | 6544 | 6544 | 6544 | 6544 | 6544 | 6544 | 6544 | 6544 | 6544 |
| 26 | 6544 | 6544 | 6544 | 6544 | 6544 | 6544 | 6544 | 6544 | 6544 |
| 27 | 6544 | 6544 | 6544 | 6544 | 6544 | 6544 | 6544 | 6544 | 6544 |
| 28 | 6544 | 6544 | 6544 | 6544 | 6544 | 6544 | 6544 | 6544 | 6544 |
| 29 | 6544 | 6544 | 6544 | 6544 | 6544 | 6544 | 6544 | 6544 | 6544 |
| 30 | 6544 | 6544 | 6544 | 6544 | 6544 | 6544 | 6544 | 6544 | 6544 |
| 31 | 6544 | 6544 | 6544 | 6544 | 6544 | 6544 | 6544 | 6544 | 6544 |
| 32 | 6544 | 6544 | 6544 | 6544 | 6544 | 6544 | 6544 | 6544 | 6544 |
| 33 | 6544 | 6544 | 6544 | 6544 | 6544 | 6544 | 6544 | 6544 | 6544 |
| 34 | 6544 | 6544 | 6544 | 6544 | 6544 | 6544 | 6544 | 6544 | 6544 |

Table I-123 USAF Enlisted Transition Continuation Rates

FILE: C51312P2 17562-1F A1

16/1P COMBINATION SIGNAL MATCH SYSTEM

CONTINUATION RATES, SCENARIO 2, GRANDPARENTING AT POS 13 1/4/4/54 22:16:55

| POS | FILE | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 12 | 15 | 20 | 25 | 30 |
|-----|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1 | 1 | 5661 | 5661 | 5661 | 5661 | 5661 | 5661 | 5661 | 5661 | 5661 | 5661 | 5661 | 5661 | 5661 | 5661 |
| 2 | 2 | 5672 | 5672 | 5672 | 5672 | 5672 | 5672 | 5672 | 5672 | 5672 | 5672 | 5672 | 5672 | 5672 | 5672 |
| 3 | 3 | 5673 | 5673 | 5673 | 5673 | 5673 | 5673 | 5673 | 5673 | 5673 | 5673 | 5673 | 5673 | 5673 | 5673 |
| 4 | 4 | 5683 | 5683 | 5683 | 5683 | 5683 | 5683 | 5683 | 5683 | 5683 | 5683 | 5683 | 5683 | 5683 | 5683 |
| 5 | 5 | 5693 | 5693 | 5693 | 5693 | 5693 | 5693 | 5693 | 5693 | 5693 | 5693 | 5693 | 5693 | 5693 | 5693 |
| 6 | 6 | 5703 | 5703 | 5703 | 5703 | 5703 | 5703 | 5703 | 5703 | 5703 | 5703 | 5703 | 5703 | 5703 | 5703 |
| 7 | 7 | 5716 | 5716 | 5716 | 5716 | 5716 | 5716 | 5716 | 5716 | 5716 | 5716 | 5716 | 5716 | 5716 | 5716 |
| 8 | 8 | 5725 | 5725 | 5725 | 5725 | 5725 | 5725 | 5725 | 5725 | 5725 | 5725 | 5725 | 5725 | 5725 | 5725 |
| 9 | 9 | 5734 | 5734 | 5734 | 5734 | 5734 | 5734 | 5734 | 5734 | 5734 | 5734 | 5734 | 5734 | 5734 | 5734 |
| 10 | 10 | 5745 | 5745 | 5745 | 5745 | 5745 | 5745 | 5745 | 5745 | 5745 | 5745 | 5745 | 5745 | 5745 | 5745 |
| 11 | 11 | 5753 | 5753 | 5753 | 5753 | 5753 | 5753 | 5753 | 5753 | 5753 | 5753 | 5753 | 5753 | 5753 | 5753 |
| 12 | 12 | 5762 | 5762 | 5762 | 5762 | 5762 | 5762 | 5762 | 5762 | 5762 | 5762 | 5762 | 5762 | 5762 | 5762 |
| 13 | 13 | 5772 | 5772 | 5772 | 5772 | 5772 | 5772 | 5772 | 5772 | 5772 | 5772 | 5772 | 5772 | 5772 | 5772 |
| 14 | 14 | 5784 | 5784 | 5784 | 5784 | 5784 | 5784 | 5784 | 5784 | 5784 | 5784 | 5784 | 5784 | 5784 | 5784 |
| 15 | 15 | 5797 | 5797 | 5797 | 5797 | 5797 | 5797 | 5797 | 5797 | 5797 | 5797 | 5797 | 5797 | 5797 | 5797 |
| 16 | 16 | 5803 | 5803 | 5803 | 5803 | 5803 | 5803 | 5803 | 5803 | 5803 | 5803 | 5803 | 5803 | 5803 | 5803 |
| 17 | 17 | 5815 | 5815 | 5815 | 5815 | 5815 | 5815 | 5815 | 5815 | 5815 | 5815 | 5815 | 5815 | 5815 | 5815 |
| 18 | 18 | 5825 | 5825 | 5825 | 5825 | 5825 | 5825 | 5825 | 5825 | 5825 | 5825 | 5825 | 5825 | 5825 | 5825 |
| 19 | 19 | 5832 | 5832 | 5832 | 5832 | 5832 | 5832 | 5832 | 5832 | 5832 | 5832 | 5832 | 5832 | 5832 | 5832 |
| 20 | 20 | 5837 | 5837 | 5837 | 5837 | 5837 | 5837 | 5837 | 5837 | 5837 | 5837 | 5837 | 5837 | 5837 | 5837 |
| 21 | 21 | 5853 | 5853 | 5853 | 5853 | 5853 | 5853 | 5853 | 5853 | 5853 | 5853 | 5853 | 5853 | 5853 | 5853 |
| 22 | 22 | 5857 | 5857 | 5857 | 5857 | 5857 | 5857 | 5857 | 5857 | 5857 | 5857 | 5857 | 5857 | 5857 | 5857 |
| 23 | 23 | 5867 | 5867 | 5867 | 5867 | 5867 | 5867 | 5867 | 5867 | 5867 | 5867 | 5867 | 5867 | 5867 | 5867 |
| 24 | 24 | 5885 | 5885 | 5885 | 5885 | 5885 | 5885 | 5885 | 5885 | 5885 | 5885 | 5885 | 5885 | 5885 | 5885 |
| 25 | 25 | 5893 | 5893 | 5893 | 5893 | 5893 | 5893 | 5893 | 5893 | 5893 | 5893 | 5893 | 5893 | 5893 | 5893 |
| 26 | 26 | 5903 | 5903 | 5903 | 5903 | 5903 | 5903 | 5903 | 5903 | 5903 | 5903 | 5903 | 5903 | 5903 | 5903 |
| 27 | 27 | 5915 | 5915 | 5915 | 5915 | 5915 | 5915 | 5915 | 5915 | 5915 | 5915 | 5915 | 5915 | 5915 | 5915 |
| 28 | 28 | 5925 | 5925 | 5925 | 5925 | 5925 | 5925 | 5925 | 5925 | 5925 | 5925 | 5925 | 5925 | 5925 | 5925 |
| 29 | 29 | 5932 | 5932 | 5932 | 5932 | 5932 | 5932 | 5932 | 5932 | 5932 | 5932 | 5932 | 5932 | 5932 | 5932 |
| 30 | 30 | 5945 | 5945 | 5945 | 5945 | 5945 | 5945 | 5945 | 5945 | 5945 | 5945 | 5945 | 5945 | 5945 | 5945 |
| 31 | 31 | 5957 | 5957 | 5957 | 5957 | 5957 | 5957 | 5957 | 5957 | 5957 | 5957 | 5957 | 5957 | 5957 | 5957 |
| 32 | 32 | 5967 | 5967 | 5967 | 5967 | 5967 | 5967 | 5967 | 5967 | 5967 | 5967 | 5967 | 5967 | 5967 | 5967 |
| 33 | 33 | 5977 | 5977 | 5977 | 5977 | 5977 | 5977 | 5977 | 5977 | 5977 | 5977 | 5977 | 5977 | 5977 | 5977 |
| 34 | 34 | 5985 | 5985 | 5985 | 5985 | 5985 | 5985 | 5985 | 5985 | 5985 | 5985 | 5985 | 5985 | 5985 | 5985 |

Table I-124 Army Officer Transition Force Profiles

FILE: CSDM196C 07562-2A 01

W75P CONFIDENTIAL CONTROL SYSTEM

| FORCE SUBGROUP | SCENARIO 2 | GRANDPARENTS | AT | YOS 25 | 1.75/54 | 2000:11:17 |
|----------------|------------|--------------|------|--------|---------|------------|
| YOS 1/54 | 1 | 2 | 3 | 4 | 5 | 6 |
| 1 | 7551 | 7551 | 7551 | 7551 | 7551 | 7551 |
| 2 | 7552 | 7552 | 7552 | 7552 | 7552 | 7552 |
| 3 | 7553 | 7553 | 7553 | 7553 | 7553 | 7553 |
| 4 | 7554 | 7554 | 7554 | 7554 | 7554 | 7554 |
| 5 | 7555 | 7555 | 7555 | 7555 | 7555 | 7555 |
| 6 | 7556 | 7556 | 7556 | 7556 | 7556 | 7556 |
| 7 | 7557 | 7557 | 7557 | 7557 | 7557 | 7557 |
| 8 | 7558 | 7558 | 7558 | 7558 | 7558 | 7558 |
| 9 | 7559 | 7559 | 7559 | 7559 | 7559 | 7559 |
| 10 | 7560 | 7560 | 7560 | 7560 | 7560 | 7560 |
| 11 | 7561 | 7561 | 7561 | 7561 | 7561 | 7561 |
| 12 | 7562 | 7562 | 7562 | 7562 | 7562 | 7562 |
| 13 | 7563 | 7563 | 7563 | 7563 | 7563 | 7563 |
| 14 | 7564 | 7564 | 7564 | 7564 | 7564 | 7564 |
| 15 | 7565 | 7565 | 7565 | 7565 | 7565 | 7565 |
| 16 | 7566 | 7566 | 7566 | 7566 | 7566 | 7566 |
| 17 | 7567 | 7567 | 7567 | 7567 | 7567 | 7567 |
| 18 | 7568 | 7568 | 7568 | 7568 | 7568 | 7568 |
| 19 | 7569 | 7569 | 7569 | 7569 | 7569 | 7569 |
| 20 | 7570 | 7570 | 7570 | 7570 | 7570 | 7570 |
| 21 | 7571 | 7571 | 7571 | 7571 | 7571 | 7571 |
| 22 | 7572 | 7572 | 7572 | 7572 | 7572 | 7572 |
| 23 | 7573 | 7573 | 7573 | 7573 | 7573 | 7573 |
| 24 | 7574 | 7574 | 7574 | 7574 | 7574 | 7574 |
| 25 | 7575 | 7575 | 7575 | 7575 | 7575 | 7575 |
| 26 | 7576 | 7576 | 7576 | 7576 | 7576 | 7576 |
| 27 | 7577 | 7577 | 7577 | 7577 | 7577 | 7577 |
| 28 | 7578 | 7578 | 7578 | 7578 | 7578 | 7578 |
| 29 | 7579 | 7579 | 7579 | 7579 | 7579 | 7579 |
| 30 | 7580 | 7580 | 7580 | 7580 | 7580 | 7580 |
| 31 | 7581 | 7581 | 7581 | 7581 | 7581 | 7581 |
| 32 | 7582 | 7582 | 7582 | 7582 | 7582 | 7582 |
| 33 | 7583 | 7583 | 7583 | 7583 | 7583 | 7583 |
| 34 | 7584 | 7584 | 7584 | 7584 | 7584 | 7584 |
| 35 | 7585 | 7585 | 7585 | 7585 | 7585 | 7585 |
| 36 | 7586 | 7586 | 7586 | 7586 | 7586 | 7586 |
| 37 | 7587 | 7587 | 7587 | 7587 | 7587 | 7587 |
| 38 | 7588 | 7588 | 7588 | 7588 | 7588 | 7588 |
| 39 | 7589 | 7589 | 7589 | 7589 | 7589 | 7589 |
| 40 | 7590 | 7590 | 7590 | 7590 | 7590 | 7590 |
| 41 | 7591 | 7591 | 7591 | 7591 | 7591 | 7591 |
| 42 | 7592 | 7592 | 7592 | 7592 | 7592 | 7592 |
| 43 | 7593 | 7593 | 7593 | 7593 | 7593 | 7593 |
| 44 | 7594 | 7594 | 7594 | 7594 | 7594 | 7594 |
| 45 | 7595 | 7595 | 7595 | 7595 | 7595 | 7595 |
| 46 | 7596 | 7596 | 7596 | 7596 | 7596 | 7596 |
| 47 | 7597 | 7597 | 7597 | 7597 | 7597 | 7597 |
| 48 | 7598 | 7598 | 7598 | 7598 | 7598 | 7598 |
| 49 | 7599 | 7599 | 7599 | 7599 | 7599 | 7599 |
| 50 | 7600 | 7600 | 7600 | 7600 | 7600 | 7600 |

Table I-125
Navy Officer Transition Force Profiles

FILE: CSTRING 07562-16 A1

14. SP CSTRING:110X01 FAN102 S1214

| FORCE | STRNGTH | SCENARIO | 2 | CLANDRAT | EMING | AT | YOS | 35 | 1/24/54 | 6 | 10:42:16 |
|-------|---------|----------|------|----------|-------|------|------|------|---------|------|----------|
| 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 |
| 1 | 5360 | 5269 | 5360 | 5269 | 5360 | 5269 | 5360 | 5269 | 5360 | 5269 | 5360 |
| 2 | 5364 | 5364 | 5364 | 5364 | 5364 | 5364 | 5364 | 5364 | 5364 | 5364 | 5364 |
| 3 | 5377 | 5377 | 5377 | 5377 | 5377 | 5377 | 5377 | 5377 | 5377 | 5377 | 5377 |
| 4 | 5388 | 5388 | 5388 | 5388 | 5388 | 5388 | 5388 | 5388 | 5388 | 5388 | 5388 |
| 5 | 5366 | 5366 | 5366 | 5366 | 5366 | 5366 | 5366 | 5366 | 5366 | 5366 | 5366 |
| 6 | 5313 | 5313 | 5313 | 5313 | 5313 | 5313 | 5313 | 5313 | 5313 | 5313 | 5313 |
| 7 | 5391 | 5391 | 5391 | 5391 | 5391 | 5391 | 5391 | 5391 | 5391 | 5391 | 5391 |
| 8 | 5396 | 5396 | 5396 | 5396 | 5396 | 5396 | 5396 | 5396 | 5396 | 5396 | 5396 |
| 9 | 5342 | 5342 | 5342 | 5342 | 5342 | 5342 | 5342 | 5342 | 5342 | 5342 | 5342 |
| 10 | 5332 | 5332 | 5332 | 5332 | 5332 | 5332 | 5332 | 5332 | 5332 | 5332 | 5332 |
| 11 | 5317 | 5317 | 5317 | 5317 | 5317 | 5317 | 5317 | 5317 | 5317 | 5317 | 5317 |
| 12 | 5352 | 5352 | 5352 | 5352 | 5352 | 5352 | 5352 | 5352 | 5352 | 5352 | 5352 |
| 13 | 5354 | 5354 | 5354 | 5354 | 5354 | 5354 | 5354 | 5354 | 5354 | 5354 | 5354 |
| 14 | 5356 | 5356 | 5356 | 5356 | 5356 | 5356 | 5356 | 5356 | 5356 | 5356 | 5356 |
| 15 | 5381 | 5381 | 5381 | 5381 | 5381 | 5381 | 5381 | 5381 | 5381 | 5381 | 5381 |
| 16 | 5381 | 5381 | 5381 | 5381 | 5381 | 5381 | 5381 | 5381 | 5381 | 5381 | 5381 |
| 17 | 5381 | 5381 | 5381 | 5381 | 5381 | 5381 | 5381 | 5381 | 5381 | 5381 | 5381 |
| 18 | 5381 | 5381 | 5381 | 5381 | 5381 | 5381 | 5381 | 5381 | 5381 | 5381 | 5381 |
| 19 | 5381 | 5381 | 5381 | 5381 | 5381 | 5381 | 5381 | 5381 | 5381 | 5381 | 5381 |
| 20 | 5381 | 5381 | 5381 | 5381 | 5381 | 5381 | 5381 | 5381 | 5381 | 5381 | 5381 |
| 21 | 5381 | 5381 | 5381 | 5381 | 5381 | 5381 | 5381 | 5381 | 5381 | 5381 | 5381 |
| 22 | 5381 | 5381 | 5381 | 5381 | 5381 | 5381 | 5381 | 5381 | 5381 | 5381 | 5381 |
| 23 | 5381 | 5381 | 5381 | 5381 | 5381 | 5381 | 5381 | 5381 | 5381 | 5381 | 5381 |
| 24 | 5381 | 5381 | 5381 | 5381 | 5381 | 5381 | 5381 | 5381 | 5381 | 5381 | 5381 |
| 25 | 5381 | 5381 | 5381 | 5381 | 5381 | 5381 | 5381 | 5381 | 5381 | 5381 | 5381 |
| 26 | 5381 | 5381 | 5381 | 5381 | 5381 | 5381 | 5381 | 5381 | 5381 | 5381 | 5381 |
| 27 | 5381 | 5381 | 5381 | 5381 | 5381 | 5381 | 5381 | 5381 | 5381 | 5381 | 5381 |
| 28 | 5381 | 5381 | 5381 | 5381 | 5381 | 5381 | 5381 | 5381 | 5381 | 5381 | 5381 |
| 29 | 5381 | 5381 | 5381 | 5381 | 5381 | 5381 | 5381 | 5381 | 5381 | 5381 | 5381 |
| 30 | 5381 | 5381 | 5381 | 5381 | 5381 | 5381 | 5381 | 5381 | 5381 | 5381 | 5381 |
| 31 | 5381 | 5381 | 5381 | 5381 | 5381 | 5381 | 5381 | 5381 | 5381 | 5381 | 5381 |
| 32 | 5381 | 5381 | 5381 | 5381 | 5381 | 5381 | 5381 | 5381 | 5381 | 5381 | 5381 |
| 33 | 5381 | 5381 | 5381 | 5381 | 5381 | 5381 | 5381 | 5381 | 5381 | 5381 | 5381 |
| 34 | 5381 | 5381 | 5381 | 5381 | 5381 | 5381 | 5381 | 5381 | 5381 | 5381 | 5381 |
| 35 | 5381 | 5381 | 5381 | 5381 | 5381 | 5381 | 5381 | 5381 | 5381 | 5381 | 5381 |

Table I-126 USMC Officer Transition Force Profile

FILE: C51314ND C7562-1A A1

V4/SP CONFIDENTIAL MONITOR 51514

FORCE STRENGTH SCENARIO 2 TRANSITIONING AT YOS 35 1/24/54 6 22-12-22

| YOS | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 12 | 15 | 17 | 25 | 32 |
|-----|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1 | 1467 | 1467 | 1753 | 1755 | 1751 | 1792 | 1793 | 1727 | 1779 | 1737 | 1755 | 172 | 1738 | 1725 |
| 2 | 1456 | 1456 | 1394 | 1716 | 1729 | 1716 | 1756 | 1757 | 1761 | 1743 | 1737 | 1675 | 1724 | 1527 |
| 3 | 1364 | 1425 | 1375 | 1542 | 1542 | 1544 | 1546 | 1579 | 1579 | 1593 | 1587 | 1524 | 1524 | 1523 |
| 4 | 1321 | 1321 | 1234 | 1187 | 1068 | 1117 | 1119 | 1415 | 1415 | 1415 | 1415 | 1428 | 1452 | 1423 |
| 5 | 1152 | 1182 | 145 | 1667 | 1229 | 1226 | 1229 | 1232 | 1227 | 1255 | 1213 | 1246 | 1225 | 1219 |
| 6 | 1272 | 1272 | 1268 | 125 | 931 | 939 | 948 | 1273 | 1274 | 1271 | 1253 | 1232 | 1232 | 1232 |
| 7 | 1261 | 1261 | 1261 | 926 | 926 | 926 | 926 | 926 | 926 | 926 | 926 | 926 | 926 | 926 |
| 8 | 978 | 978 | 978 | 978 | 978 | 978 | 978 | 978 | 978 | 978 | 978 | 978 | 978 | 978 |
| 9 | 692 | 692 | 692 | 692 | 692 | 692 | 692 | 692 | 692 | 692 | 692 | 692 | 692 | 692 |
| 10 | 773 | 773 | 773 | 773 | 773 | 773 | 773 | 773 | 773 | 773 | 773 | 773 | 773 | 773 |
| 11 | 605 | 605 | 605 | 605 | 605 | 605 | 605 | 605 | 605 | 605 | 605 | 605 | 605 | 605 |
| 12 | 515 | 515 | 515 | 515 | 515 | 515 | 515 | 515 | 515 | 515 | 515 | 515 | 515 | 515 |
| 13 | 593 | 593 | 593 | 593 | 593 | 593 | 593 | 593 | 593 | 593 | 593 | 593 | 593 | 593 |
| 14 | 594 | 594 | 594 | 594 | 594 | 594 | 594 | 594 | 594 | 594 | 594 | 594 | 594 | 594 |
| 15 | 533 | 533 | 533 | 533 | 533 | 533 | 533 | 533 | 533 | 533 | 533 | 533 | 533 | 533 |
| 16 | 587 | 587 | 587 | 587 | 587 | 587 | 587 | 587 | 587 | 587 | 587 | 587 | 587 | 587 |
| 17 | 592 | 592 | 592 | 592 | 592 | 592 | 592 | 592 | 592 | 592 | 592 | 592 | 592 | 592 |
| 18 | 489 | 489 | 489 | 489 | 489 | 489 | 489 | 489 | 489 | 489 | 489 | 489 | 489 | 489 |
| 19 | 519 | 519 | 519 | 519 | 519 | 519 | 519 | 519 | 519 | 519 | 519 | 519 | 519 | 519 |
| 20 | 361 | 361 | 361 | 361 | 361 | 361 | 361 | 361 | 361 | 361 | 361 | 361 | 361 | 361 |
| 21 | 219 | 219 | 219 | 219 | 219 | 219 | 219 | 219 | 219 | 219 | 219 | 219 | 219 | 219 |
| 22 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 |
| 23 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 |
| 24 | 175 | 175 | 175 | 175 | 175 | 175 | 175 | 175 | 175 | 175 | 175 | 175 | 175 | 175 |
| 25 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 |
| 26 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 |
| 27 | 121 | 121 | 121 | 121 | 121 | 121 | 121 | 121 | 121 | 121 | 121 | 121 | 121 | 121 |
| 28 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 |
| 29 | 69 | 69 | 69 | 69 | 69 | 69 | 69 | 69 | 69 | 69 | 69 | 69 | 69 | 69 |
| 30 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 |
| 31 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 |
| 32 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 |
| 33 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
| 34 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 35 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |

FILE: 20250114 0756Z-1: AT

I-178

Table I-128

I-179

Table I-129
Navy Enlisted Transition Force Profiles

FILE: CSHZMZE EP552-1M AI

U.S. NAVY TRANSITION FORCE MONITOR SYSTEM

FORCE STRUCTURE, SCENARIO 2 GRANDSTAIRCASE AT YOS IN 1-24/54 6 24-12-19

| YOS | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|-----------|
| 1 | 1091 | 2191 | 3618 | 5292 | 7955 | 10479 | 12777 | 15671 | 17224 | 17955 | 18425 | 18951 | 19551 | 20221 | 20951 | 21721 | 22551 | 23421 | 24351 | 25351 | 26421 | 27551 | 28721 | 29951 | 31221 | 32551 | 33951 | 35421 | 36951 | 38551 | 40221 | 41951 | 43721 | 45551 | 47421 | 49351 | 51321 | 53351 | 55421 | 57551 | 59721 | 61951 | 64221 | 66551 | 68951 | 71421 | 73951 | 76521 | 79151 | 81821 | 84551 | 87321 | 90151 | 93021 | 95951 | 98921 | 101951 | 105021 | 108151 | 111321 | 114551 | 117821 | 121151 | 124521 | 127951 | 131421 | 134951 | 138521 | 142151 | 145821 | 149551 | 153321 | 157151 | 161021 | 164951 | 168921 | 172951 | 177021 | 181151 | 185321 | 189551 | 193821 | 198151 | 202521 | 206951 | 211421 | 215951 | 220521 | 225151 | 229821 | 234551 | 239321 | 244151 | 249021 | 253951 | 258921 | 263951 | 268921 | 273951 | 278921 | 283951 | 288921 | 293951 | 298921 | 303951 | 308921 | 313951 | 318921 | 323951 | 328921 | 333951 | 338921 | 343951 | 348921 | 353951 | 358921 | 363951 | 368921 | 373951 | 378921 | 383951 | 388921 | 393951 | 398921 | 403951 | 408921 | 413951 | 418921 | 423951 | 428921 | 433951 | 438921 | 443951 | 448921 | 453951 | 458921 | 463951 | 468921 | 473951 | 478921 | 483951 | 488921 | 493951 | 498921 | 503951 | 508921 | 513951 | 518921 | 523951 | 528921 | 533951 | 538921 | 543951 | 548921 | 553951 | 558921 | 563951 | 568921 | 573951 | 578921 | 583951 | 588921 | 593951 | 598921 | 603951 | 608921 | 613951 | 618921 | 623951 | 628921 | 633951 | 638921 | 643951 | 648921 | 653951 | 658921 | 663951 | 668921 | 673951 | 678921 | 683951 | 688921 | 693951 | 698921 | 703951 | 708921 | 713951 | 718921 | 723951 | 728921 | 733951 | 738921 | 743951 | 748921 | 753951 | 758921 | 763951 | 768921 | 773951 | 778921 | 783951 | 788921 | 793951 | 798921 | 803951 | 808921 | 813951 | 818921 | 823951 | 828921 | 833951 | 838921 | 843951 | 848921 | 853951 | 858921 | 863951 | 868921 | 873951 | 878921 | 883951 | 888921 | 893951 | 898921 | 903951 | 908921 | 913951 | 918921 | 923951 | 928921 | 933951 | 938921 | 943951 | 948921 | 953951 | 958921 | 963951 | 968921 | 973951 | 978921 | 983951 | 988921 | 993951 | 998921 | 1003951 | 1008921 | 1013951 | 1018921 | 1023951 | 1028921 | 1033951 | 1038921 | 1043951 | 1048921 | 1053951 | 1058921 | 1063951 | 1068921 | 1073951 | 1078921 | 1083951 | 1088921 | 1093951 | 1098921 | 1103951 | 1108921 | 1113951 | 1118921 | 1123951 | 1128921 | 1133951 | 1138921 | 1143951 | 1148921 | 1153951 | 1158921 | 1163951 | 1168921 | 1173951 | 1178921 | 1183951 | 1188921 | 1193951 | 1198921 | 1203951 | 1208921 | 1213951 | 1218921 | 1223951 | 1228921 | 1233951 | 1238921 | 1243951 | 1248921 | 1253951 | 1258921 | 1263951 | 1268921 | 1273951 | 1278921 | 1283951 | 1288921 | 1293951 | 1298921 | 1303951 | 1308921 | 1313951 | 1318921 | 1323951 | 1328921 | 1333951 | 1338921 | 1343951 | 1348921 | 1353951 | 1358921 | 1363951 | 1368921 | 1373951 | 1378921 | 1383951 | 1388921 | 1393951 | 1398921 | 1403951 | 1408921 | 1413951 | 1418921 | 1423951 | 1428921 | 1433951 | 1438921 | 1443951 | 1448921 | 1453951 | 1458921 | 1463951 | 1468921 | 1473951 | 1478921 | 1483951 | 1488921 | 1493951 | 1498921 | 1503951 | 1508921 | 1513951 | 1518921 | 1523951 | 1528921 | 1533951 | 1538921 | 1543951 | 1548921 | 1553951 | 1558921 | 1563951 | 1568921 | 1573951 | 1578921 | 1583951 | 1588921 | 1593951 | 1598921 | 1603951 | 1608921 | 1613951 | 1618921 | 1623951 | 1628921 | 1633951 | 1638921 | 1643951 | 1648921 | 1653951 | 1658921 | 1663951 | 1668921 | 1673951 | 1678921 | 1683951 | 1688921 | 1693951 | 1698921 | 1703951 | 1708921 | 1713951 | 1718921 | 1723951 | 1728921 | 1733951 | 1738921 | 1743951 | 1748921 | 1753951 | 1758921 | 1763951 | 1768921 | 1773951 | 1778921 | 1783951 | 1788921 | 1793951 | 1798921 | 1803951 | 1808921 | 1813951 | 1818921 | 1823951 | 1828921 | 1833951 | 1838921 | 1843951 | 1848921 | 1853951 | 1858921 | 1863951 | 1868921 | 1873951 | 1878921 | 1883951 | 1888921 | 1893951 | 1898921 | 1903951 | 1908921 | 1913951 | 1918921 | 1923951 | 1928921 | 1933951 | 1938921 | 1943951 | 1948921 | 1953951 | 1958921 | 1963951 | 1968921 | 1973951 | 1978921 | 1983951 | 1988921 | 1993951 | 1998921 | 2003951 | 2008921 | 2013951 | 2018921 | 2023951 | 2028921 | 2033951 | 2038921 | 2043951 | 2048921 | 2053951 | 2058921 | 2063951 | 2068921 | 2073951 | 2078921 | 2083951 | 2088921 | 2093951 | 2098921 | 2103951 | 2108921 | 2113951 | 2118921 | 2123951 | 2128921 | 2133951 | 2138921 | 2143951 | 2148921 | 2153951 | 2158921 | 2163951 | 2168921 | 2173951 | 2178921 | 2183951 | 2188921 | 2193951 | 2198921 | 2203951 | 2208921 | 2213951 | 2218921 | 2223951 | 2228921 | 2233951 | 2238921 | 2243951 | 2248921 | 2253951 | 2258921 | 2263951 | 2268921 | 2273951 | 2278921 | 2283951 | 2288921 | 2293951 | 2298921 | 2303951 | 2308921 | 2313951 | 2318921 | 2323951 | 2328921 | 2333951 | 2338921 | 2343951 | 2348921 | 2353951 | 2358921 | 2363951 | 2368921 | 2373951 | 2378921 | 2383951 | 2388921 | 2393951 | 2398921 | 2403951 | 2408921 | 2413951 | 2418921 | 2423951 | 2428921 | 2433951 | 2438921 | 2443951 | 2448921 | 2453951 | 2458921 | 2463951 | 2468921 | 2473951 | 2478921 | 2483951 | 2488921 | 2493951 | 2498921 | 2503951 | 2508921 | 2513951 | 2518921 | 2523951 | 2528921 | 2533951 | 2538921 | 2543951 | 2548921 | 2553951 | 2558921 | 2563951 | 2568921 | 2573951 | 2578921 | 2583951 | 2588921 | 2593951 | 2598921 | 2603951 | 2608921 | 2613951 | 2618921 | 2623951 | 2628921 | 2633951 | 2638921 | 2643951 | 2648921 | 2653951 | 2658921 | 2663951 | 2668921 | 2673951 | 2678921 | 2683951 | 2688921 | 2693951 | 2698921 | 2703951 | 2708921 | 2713951 | 2718921 | 2723951 | 2728921 | 2733951 | 2738921 | 2743951 | 2748921 | 2753951 | 2758921 | 2763951 | 2768921 | 2773951 | 2778921 | 2783951 | 2788921 | 2793951 | 2798921 | 2803951 | 2808921 | 2813951 | 2818921 | 2823951 | 2828921 | 2833951 | 2838921 | 2843951 | 2848921 | 2853951 | 2858921 | 2863951 | 2868921 | 2873951 | 2878921 | 2883951 | 2888921 | 2893951 | 2898921 | 2903951 | 2908921 | 2913951 | 2918921 | 2923951 | 2928921 | 2933951 | 2938921 | 2943951 | 2948921 | 2953951 | 2958921 | 2963951 | 2968921 | 2973951 | 2978921 | 2983951 | 2988921 | 2993951 | 2998921 | 3003951 | 3008921 | 3013951 | 3018921 | 3023951 | 3028921 | 3033951 | 3038921 | 3043951 | 3048921 | 3053951 | 3058921 | 3063951 | 3068921 | 3073951 | 3078921 | 3083951 | 3088921 | 3093951 | 3098921 | 3103951 | 3108921 | 3113951 | 3118921 | 3123951 | 3128921 | 3133951 | 3138921 | 3143951 | 3148921 | 3153951 | 3158921 | 3163951 | 3168921 | 3173951 | 3178921 | 3183951 | 3188921 | 3193951 | 3198921 | 3203951 | 3208921 | 3213951 | 3218921 | 3223951 | 3228921 | 3233951 | 3238921 | 3243951 | 3248921 | 3253951 | 3258921 | 3263951 | 3268921 | 3273951 | 3278921 | 3283951 | 3288921 | 3293951 | 3298921 | 3303951 | 3308921 | 3313951 | 3318921 | 3323951 | 3328921 | 3333951 | 3338921 | 3343951 | 3348921 | 3353951 | 3358921 | 3363951 | 3368921 | 3373951 | 3378921 | 3383951 | 3388921 | 3393951 | 3398921 | 3403951 | 3408921 | 3413951 | 3418921 | 3423951 | 3428921 | 3433951 | 3438921 | 3443951 | 3448921 | 3453951 | 3458921 | 3463951 | 3468921 | 3473951 | 3478921 | 3483951 | 3488921 | 3493951 | 3498921 | 3503951 | 3508921 | 3513951 | 3518921 | 3523951 | 3528921 | 3533951 | 3538921 | 3543951 | 3548921 | 3553951 | 3558921 | 3563951 | 3568921 | 3573951 | 3578921 | 3583951 | 3588921 | 3593951 | 3598921 | 3603951 | 3608921 | 3613951 | 3618921 | 3623951 | 3628921 | 3633951 | 3638921 | 3643951 | 3648921 | 3653951 | 3658921 | 3663951 | 3668921 | 3673951 | 3678921 | 3683951 | 3688921 | 3693951 | 3698921 | 3703951 | 3708921 | 3713951 | 3718921 | 3723951 | 3728921 | 3733951 | 3738921 | 3743951 | 3748921 | 3753951 | 3758921 | 3763951 | 3768921 | 3773951 | 3778921 | 3783951 | 3788921 | 3793951 | 3798921 | 3803951 | 3808921 | 3813951 | 3818921 | 3823951 | 3828921 | 3833951 | 3838921 | 3843951 | 3848921 | 3853951 | 3858921 | 3863951 | 3868921 | 3873951 | 3878921 | 3883951 | 3888921 | 3893951 | 3898921 | 3903951 | 3908921 | 3913951 | 3918921 | 3923951 | 3928921 | 3933951 | 3938921 | 3943951 | 3948921 | 3953951 | 3958921 | 3963951 | 3968921 | 3973951 | 3978921 | 3983951 | 3988921 | 3993951 | 3998921 | 4003951 | 4008921 | 4013951 | 4018921 | 4023951 | 4028921 | 4033951 | 4038921 | 4043951 | 4048921 | 4053951 | 4058921 | 4063951 | 4068921 | 4073951 | 4078921 | 4083951 | 4088921 | 4093951 | 4098921 | 4103951 | 4108921 | 4113951 | 4118921 | 4123951 | 4128921 | 4133951 | 4138921 | 4143951 | 4148921 | 4153951 | 4158921 | 4163951 | 4168921 | 4173951 | 4178921 | 4183951 | 4188921 | 4193951 | 4198921 | 4203951 | 4208921 | 4213951 | 4218921 | 4223951 | 4228921 | 4233951 | 4238921 | 4243951 | 4248921 | 4253951 | 4258921 | 4263951 | 4268921 | 4273951 | 4278921 | 4283951 | 4288921 | 4293951 | 4298921 | 4303951 | 4308921 | 4313951 | 4318921 | 4323951 | 4328921 | 4333951 | 4338921 | 4343951 | 4348921 | 4353951 | 4358921 | 4363951 | 4368921 | 4373951 | 4378921 | 4383951 | 4388921 | 4393951 | 4398921 | 4403951 | 4408921 | 4413951 | 4418921 | 4423951 | 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DERIVATION OF TAPERED DISCOUNT RATES

Implied rates of discount may be derived from an understanding of how personnel policies influence the growth of human capital over the course of a career.

The following analysis draws heavily from an unpublished dissertation entitled "A Neoclassical View of Human Capital in the United States Air Force" submitted by Major Roy E. Smoker, USAF to the University of Missouri, Columbia, Mo.

Personnel policies in each of the Services define the type and level of entry education necessary for recruits to enter specific military careers. As the Services recruit unskilled enlisted personnel for entry at the lowest level on the career ladder, they must provide opportunities for specialized training (TRNG) necessary to meet increased performance requirements over the course of a career. In addition to training policies, the Services provide policies that impact on the standard of living of their members. Some of these include the granting of permanent change of station travel (TRVL), annual leave (LEAV), and medical (MED) non-availability. When these policies are taken into account, the return to the Services, measured in years of working service (TYWS), may be estimated for personnel in each year of service. Mathematically,

$$(1) \text{ TYWS}_t = \text{YOS}_t - \text{NINV}_t$$

where

$$(2) \text{ NINV}_t = \text{TRNG}_t + \text{TRVL}_t + \text{LEAV}_t + \text{MED}_t$$

and $t = 1, 2, \dots, 30$ years of service.

The Services maintain a degree of control over separations by setting limits on years of service for certain grade levels. Through joint control over entry, promotion, and separation the Services can take positive action to control the marginal contribution to the mean service time before separation for each year of service cohort group. Letting (ESL_t) represent the sum of marginal contributions to mean service time from entry to year of service (t), a production function for expected service life to each year of service may be specified in terms of the human capital content of the force as:

$$(3) \text{ ESL}_t = a e^{-q_t} \text{ EAGE}_t^{b_1} \text{ NINV}_t^{b_2} \text{ TYWS}_t^{b_3}$$

where

$$(4) \text{ EAGE}_t = \text{EED}_t + \text{PSCH}_t$$

and (5) $b_1 + b_2 + b_3 = 1$.

By construction, the production function assumes that attrition and, therefore replacement, occurs at a uniform exponential rate over years of service. Individuals entering the work force are assumed to have the latest knowledge as EAGE represents education beyond preschool (PSCH). Furthermore, members in the work force may share technology improvements through continued investment in human capital (NINV). Equation (3) is written in the generalized Cobb-Douglas production function form for output of a given vintage. As such, the production function provides for substitution among the separate factors and allows diminishing returns. The equation implies the Services are trying to produce some level of expected service life (ESL) from a cohort aged to each year of service by procuring inputs of labor in terms of years of working service (TYWS) and human capital in terms of EAGE and NINV. That is, the Services are trying to put the right individual with the right training in the right job (through PCS moves) and trying to maintain his health and morale (through medical and leave policies).

To solve for implicit discount rates, it is necessary to understand the properties of the production function and the associated age constraint. The age constraint may be written as:

$$(6) \text{ AGE}_t = \text{EAGE}_t + \text{YOS}_t = \text{EAGE}_t + \text{NINV}_t + \text{TYWS}_t .$$

When taking partial derivatives of the production function with respect to EAGE, NINV, and TYWS, one obtains the respective marginal contributions to expected service life. These are:

$$(7a) \frac{d \text{ ESL}}{d \text{ EAGE}} = b_1 \frac{\text{ESL}}{\text{EAGE}} ,$$

$$(7b) \frac{d \text{ ESL}}{d \text{ NINV}} = b_2 \frac{\text{ESL}}{\text{NINV}} , \text{ and}$$

$$(7c) \frac{d \text{ ESL}}{d \text{ TYWS}} = b_3 \frac{\text{ESL}}{\text{TYWS}} .$$

Multiplying equations (7) by the respective ratios of input per unit output yields the elasticities of output. These are:

$$(8a) \frac{\text{EAGE}}{\text{ESL}} * \frac{d \text{ ESL}}{d \text{ EAGE}} = b_1 ,$$

$$(8b) \frac{\text{NINV}}{\text{ESL}} * \frac{d \text{ ESL}}{d \text{ NINV}} = b_2 , \text{ and}$$

$$(8c) \frac{\text{TYWS}}{\text{ESL}} * \frac{d \text{ ESL}}{d \text{ TYWS}} = b_3 .$$

Because the production function is homogeneous of degree one, the output elasticities represent the percentage share of total output returned to each input. Recognizing that when an individual enters the work force his entry education and therefore entry age are fixed, all inputs will not be increasing in the same proportion over his life cycle. Since the b_1 represent the relative shares of expected service life due to each input, it must also hold that the b_1 represent the relative shares of the value of service life attributable to each input. Letting TVAR represent the accrued value of average revenue (measured as regular military compensation plus Special and Incentive pays) to each year of service for an individual and using equation (8) we have:

$$(9) \quad TVAR_t = b_1 * TVAR_t + b_2 * TVAR_t + b_3 * TVAR_t .$$

By specifying the prices of each element of human capital and using equations (4) and (6), we have:

$$(10a) \quad TVAR_t = PAGE_t * (AGE_t - PSCH_t) ,$$

$$(10b) \quad b_1 * TVAR_t = PEED_t * (EAGE_t - PSCH_t) ,$$

$$(10c) \quad b_2 * TVAR_t = PNINV_t * (NINV_t) ,$$

$$(10d) \quad b_3 * TVAR_t = PTYWS_t * (TYWS_t) , \text{ and}$$

$$(10e) \quad (b_1 + b_2) TVAR_t = PTINV_t * (EAGE_t + NINV_t - PSCH_t) .$$

Therefore, equation (9) may be rewritten therefore as:

$$(11) \quad PAGE_t * (AGE_t - PSCH_t) = PEED_t * (EAGE_t - PSCH_t) + PNINV_t * (NINV_t) + PTYWS_t * (TYWS_t) ;$$

and letting:

$$(12) \quad TINV_t = EAGE_t + NINV_t ,$$

we may write (11) as:

$$(13) \quad PTYWS_t * TYWS_t = PAGE_t * (AGE_t - PSCH_t) - PTINV_t * (TINV_t - PSCH_t) .$$

Equation (13) expresses the true discount for years of working service as the value of an annuity based on AGE minus the value of the principal invested, TINV, both adjusted to remove years in preschool from the valuation process. The investment period, which is not shown, is

the expected service life. Dividing both sides of (13) by $PTINV_t * (TINV - PSCH)$ and using (6) yields:

$$(14) \quad \frac{PTYWS_t * TYWS_t}{PTINV_t (TINV_t - PSCH_t)} \\ \frac{PAGE_t}{PTINV_t} * \left[1 + \frac{TYWS_t}{TINV_t - PSCH_t} \right] - 1 .$$

Recognizing the investment period is the expected service life (ESL_t), one may determine the discount rate, or under continuous compounding by solving:

$$(15) \quad r_t \cdot ESL_t = \frac{PAGE_t}{PTINV_t} * \left[1 + \frac{TYWS_t}{TINV_t - PSCH_t} \right] .$$

That is, upon taking logarithms

$$(16) \quad r_t = \left[\ln PAGE_t - \ln PTINV_t + \ln \left(1 + \frac{TYWS_t}{TINV_t - PSCH_t} \right) \right] / ESL_t .$$

The resulting discount rates are based on human capital investment, excluding preschool, and are real or natural discount rates rather than nominal or money discount rates. To see this, equation (16) may be rewritten using equations (6) and (10) and cancelling out TVAR in each expression to yield:

$$(17) \quad r_t = \ln \left[\frac{1}{b_1 + b_2} \right] / ESL_t .$$

From equation (17), the discount rates can be seen to depend only on the form of the production function and, in that sense, represent real rates.

With information available in equation (10) and the production function (3), one may also compute money or nominal discount rates. The value of the marginal products for EED, NINV and TYWS may be found from (10) to be:

$$(18a) \quad PEED_t = b_1 * \frac{TVAR_t}{EAGE_t - PSCH_t} ,$$

$$(18b) \quad PNINV_t = b_2 * \frac{TVAR_t}{NINV_t} , \text{ and}$$

$$(18c) \quad PTYWS_t = b_3 * \frac{TVAR_t}{TYWS_t} .$$

The marginal gains to expected service life due to EED, NINV and TYWS are found from the production function to be:

$$(19a) \text{MPP}_{\text{EED}_t} = b_1 * \frac{\text{ESL}_t}{\text{EAGE}_t - \text{PSCH}_t},$$

$$(19b) \text{MPP}_{\text{NINV}_t} = b_2 * \frac{\text{ESL}_t}{\text{NINV}_t}, \text{ and}$$

$$(19c) \text{MPP}_{\text{TYWS}_t} = b_3 * \frac{\text{ESL}_t}{\text{TYWS}_t}.$$

Hence, in steady-state equilibrium with gains equal to losses, the marginal cost per unit of marginal product for each type of input will be equal and will equal the marginal cost of increasing expected service life. In equation form, dividing (18) by (19) yields:

$$(20) \frac{\text{PEED}_t}{\text{MPP}_{\text{EED}_t}} = \frac{\text{PNINV}_t}{\text{MPP}_{\text{NINV}_t}} = \frac{\text{PTYWS}_t}{\text{MPP}_{\text{TYWS}_t}} = \frac{\text{TVAR}_t}{\text{ESL}_t}.$$

Given the marginal costs by year of service, the money or nominal discount rates may be determined by solving:

$$(21) e^{d(t-1)} = \frac{\text{TVAR}_t}{\text{ESL}_t} / \frac{\text{TVAR}_1}{\text{ESL}_1}, \text{ and}$$

$$(22) d = \left[\ln \left(\frac{\text{TVAR}_t}{\text{ESL}_t} \right) - \ln \left(\frac{\text{TVAR}_1}{\text{ESL}_1} \right) \right] / (t-1).$$

Using 1976 data developed in studies of Air Force manhour availability factors, two forms of estimates of the implicit discount rates were made. Both the single equation ordinary least squares and the simultaneous two-stage least squares estimates are provided in Table 1. The corresponding sets of discount rates are labeled Taper I and Taper II in Table 2. Along with the estimates for the real discount rates are estimates of nominal discount rates for each of the Services. The analysis of human capital in developing personnel discount rates also has implications concerning productivity, as can be seen from the allocations of time over a working life cycle displayed in Table 3. As can be seen in Table 2, the nominal discount rates fall below the real discount rates in the first couple of years of service. This phenomenon is expected, as the real discount rates are controlled to account for the training provided by the Services while the nominal rates are not.

Table 1
Personnel Production Function Equations

| ESL | ln Constant | e^{-qt} | b_1 | b_2 | b_3 | R_2 | F-TEST | N |
|-----------|-------------------|--------------------|------------------|------------------|------------------|-------|--------|----|
| 1st Stage | -.1926
(.1780) | -.01198
(.0014) | .4497
(.0360) | .2870
(.0264) | .2633
(.0582) | .992 | 1160.8 | 30 |
| 2nd Stage | -.5380
(.2302) | -.01154
(.0006) | .5150
(.0438) | .1090
(.0108) | .3760
(.0758) | .999 | 6817.3 | 30 |

Table 2
Discount Rates for Enlisted Personnel

| YOS | Real Rates | | Nominal Rates | | | |
|-----|------------|-----------|---------------|------|------|------|
| | TAPPER I | TAPPER II | ARMY | NAVY | USMC | USAF |
| 1 | .164 | .236 | - | - | - | - |
| 2 | .119 | .169 | .075 | .080 | .138 | .062 |
| 3 | .103 | .140 | .084 | .092 | .119 | .074 |
| 4 | .095 | .124 | .118 | .105 | .129 | .082 |
| 5 | .090 | .112 | .133 | .127 | .147 | .103 |
| 6 | .087 | .105 | .134 | .132 | .153 | .110 |
| 7 | .083 | .098 | .113 | .135 | .154 | .112 |
| 8 | .080 | .092 | .130 | .133 | .150 | .110 |
| 9 | .079 | .089 | .127 | .131 | .148 | .109 |
| 10 | .079 | .085 | .124 | .128 | .145 | .107 |
| 11 | .076 | .084 | .120 | .125 | .141 | .104 |
| 12 | .076 | .081 | .117 | .122 | .138 | .101 |
| 13 | .075 | .077 | .114 | .118 | .134 | .098 |
| 14 | .075 | .076 | .110 | .115 | .130 | .096 |
| 15 | .073 | .075 | .107 | .111 | .126 | .093 |
| 16 | .074 | .074 | .104 | .108 | .123 | .090 |
| 17 | .073 | .074 | .102 | .105 | .119 | .088 |
| 18 | .073 | .071 | .099 | .102 | .116 | .086 |
| 19 | .073 | .071 | .096 | .099 | .113 | .084 |
| 20 | .072 | .071 | .094 | .092 | .110 | .081 |
| 21 | .071 | .069 | .092 | .090 | .108 | .080 |
| 22 | .072 | .069 | .090 | .093 | .105 | .079 |
| 23 | .072 | .069 | .089 | .091 | .103 | .078 |
| 24 | .070 | .067 | .087 | .092 | .101 | .077 |
| 25 | .072 | .067 | .086 | .090 | .099 | .076 |
| 26 | .070 | .066 | .085 | .089 | .098 | .075 |
| 27 | .071 | .065 | .084 | .088 | .096 | .074 |
| 28 | .071 | .065 | .083 | .086 | .094 | .074 |
| 29 | .071 | .064 | .082 | .085 | .093 | .073 |
| 30 | .070 | .064 | .081 | .084 | .091 | .072 |

Table 3
Annual Allocations to Elements of Human Capital

| <u>YOS</u> | <u>EAGE</u> | <u>TRNG</u> | <u>TRVL</u> | <u>LEAV</u> | <u>MED</u> | <u>YWS</u> |
|------------|-------------|-------------|-------------|-------------|------------|------------|
| 1 | 18.73 | .208 | .016 | .054 | .021 | .701 |
| 2 | 18.76 | .161 | .012 | .057 | .018 | .752 |
| 3 | 18.91 | .114 | .009 | .060 | .017 | .800 |
| 4 | 18.56 | .085 | .007 | .060 | .016 | .831 |
| 5 | 18.70 | .063 | .006 | .059 | .016 | .856 |
| 6 | 18.51 | .054 | .006 | .056 | .015 | .869 |
| 7 | 18.65 | .046 | .005 | .054 | .015 | .880 |
| 8 | 18.93 | .044 | .005 | .052 | .014 | .884 |
| 9 | 18.74 | .044 | .005 | .051 | .014 | .887 |
| 10 | 18.74 | .034 | .004 | .050 | .014 | .897 |
| 11 | 18.34 | .035 | .004 | .049 | .013 | .897 |
| 12 | 18.47 | .035 | .004 | .048 | .013 | .899 |
| 13 | 19.19 | .042 | .004 | .048 | .013 | .893 |
| 14 | 18.69 | .036 | .004 | .046 | .013 | .900 |
| 15 | 18.47 | .040 | .004 | .045 | .013 | .898 |
| 16 | 18.24 | .034 | .004 | .045 | .013 | .904 |
| 17 | 17.84 | .035 | .004 | .044 | .013 | .904 |
| 18 | 18.71 | .037 | .004 | .044 | .013 | .901 |
| 19 | 18.37 | .037 | .004 | .043 | .014 | .902 |
| 20 | 18.00 | .036 | .005 | .042 | .014 | .903 |
| 21 | 18.26 | .040 | .005 | .041 | .015 | .900 |
| 22 | 18.19 | .037 | .005 | .040 | .015 | .903 |
| 23 | 17.85 | .039 | .005 | .039 | .016 | .901 |
| 24 | 18.27 | .046 | .005 | .038 | .017 | .895 |
| 25 | 17.96 | .033 | .005 | .038 | .017 | .907 |
| 26 | 18.43 | .044 | .006 | .037 | .018 | .896 |
| 27 | 18.69 | .044 | .006 | .036 | .019 | .896 |
| 28 | 18.69 | .044 | .006 | .036 | .019 | .895 |
| 29 | 18.69 | .044 | .006 | .035 | .200 | .895 |
| 30 | 18.69 | .048 | .006 | .035 | .210 | .890 |

ACOL APPLICATIONS TO THE U.S COAST GUARD

A Coast Guard force of 4,931 officers and 32,272 enlisted personnel was subjected to ACOL force structure modeling. The small size of the officer population and absence of strict occupational distinction made analysis at the aggregate level desirable. Small enlisted occupational groups, or ratings, also precluded analysis below the aggregate.

Initial attempts to model a Coast Guard force structure were frustrated by the absence of detailed pay data; the Coast Guard is only currently implementing the computerized Joint Uniformed Military Pay System (JUMPS). Further, some data, such as detailed training costs, were also unavailable in a useable format. However, a Coast Guard ACOL model was eventually constructed and run using available Coast Guard data in conjunction with appropriate DoD Service data files believed, in general, to match the Coast Guard population characteristics and pay policies. A majority of these assumptions were made concerning distributions of personnel receiving certain allowances (BAQ, VHA, BAS) or the distribution of personnel and average amounts paid to persons receiving certain Special and Incentive pays. Navy data was believed to be most applicable for use in the area of allowances, while Army data was believed more representative of the Coast Guard in the area of special pays.

In general, the Coast Guard force reacted very similarly to the DoD forces under the various retirement scenarios. Figures 1 and 2 show Coast Guard officer and enlisted force structures under a scenario entailing 75% COLA increases for retirees until age 62 and a 3% per year penalty for retirement prior to 30 years of service (YOS). The resulting structure is plotted against the base, or seven-year average, force structure. Changes in the force structure resulting from this scenario for various YOS groupings are summarized in Tables 1 and 2.

Table 1
Effect of 75% COLA/3% Pre-30 YOS Penalty
Retirement Scenario on the Coast Guard
Officer Force Structure

| <u>YOS</u> | <u>BASE</u> | <u>NEW STRUCTURE</u> | <u>% Change</u> |
|------------|-------------|----------------------|-----------------|
| Accessions | 343 | 384 | + 12.0 |
| 5-30+ | 3,612 | 3,454 | - 4.4 |
| 1-4 | 1,319 | 1,477 | + 12.0 |
| 5-10 | 1,403 | 1,533 | + 9.3 |
| 11-20 | 1,510 | 1,415 | - 6.3 |
| 21-30+ | 699 | 507 | - 27.5 |

Table 2
Effect of 75% COLA/3% Pre-30 YOS Penalty
Retirement Scenario on the Coast Guard
Enlisted Force Structure

| <u>YOS</u> | <u>BASE</u> | <u>NEW STRUCTURE</u> | <u>% Change</u> |
|------------|-------------|----------------------|-----------------|
| Accessions | 5,602 | 6,581 | + 17.5 |
| 5-30+ | 13,521 | 10,737 | - 20.6 |
| 1-4 | 18,751 | 21,535 | + 14.9 |
| 5-10 | 7,434 | 6,968 | + 6.3 |
| 11-20 | 5,467 | 3,478 | - 36.4 |
| 21-30+ | 619 | 291 | - 53.0 |

Both the officer and enlisted structures show increases in accession levels and reductions in career force (YOS 5-30+) personnel. For the enlisted force, these changes are substantial, with a 17.5% increase in required accessions and a 20.6% decrease in the career force. The greatest percent reduction in career personnel occurs in the YOS 21-30+ cell which shows a -53% change; personnel in the YOS 11-20 cell are reduced 36.4%.

Figures 1 and 2 also show the force structure resulting from the addition of retirement trust fund EARLY WITHDRAWALS of 200% and 300%, for officer and enlisted personnel respectively, in combination with the previously described COLA reduction and early retirement penalty. This scenario restores both force structures to levels close to the originals. The one area of notable exception is the officer structure in the 21-30 YOS cell which is not retored.

Figure 1
OFFICER STRENGTH
 U.S. COAST GUARD

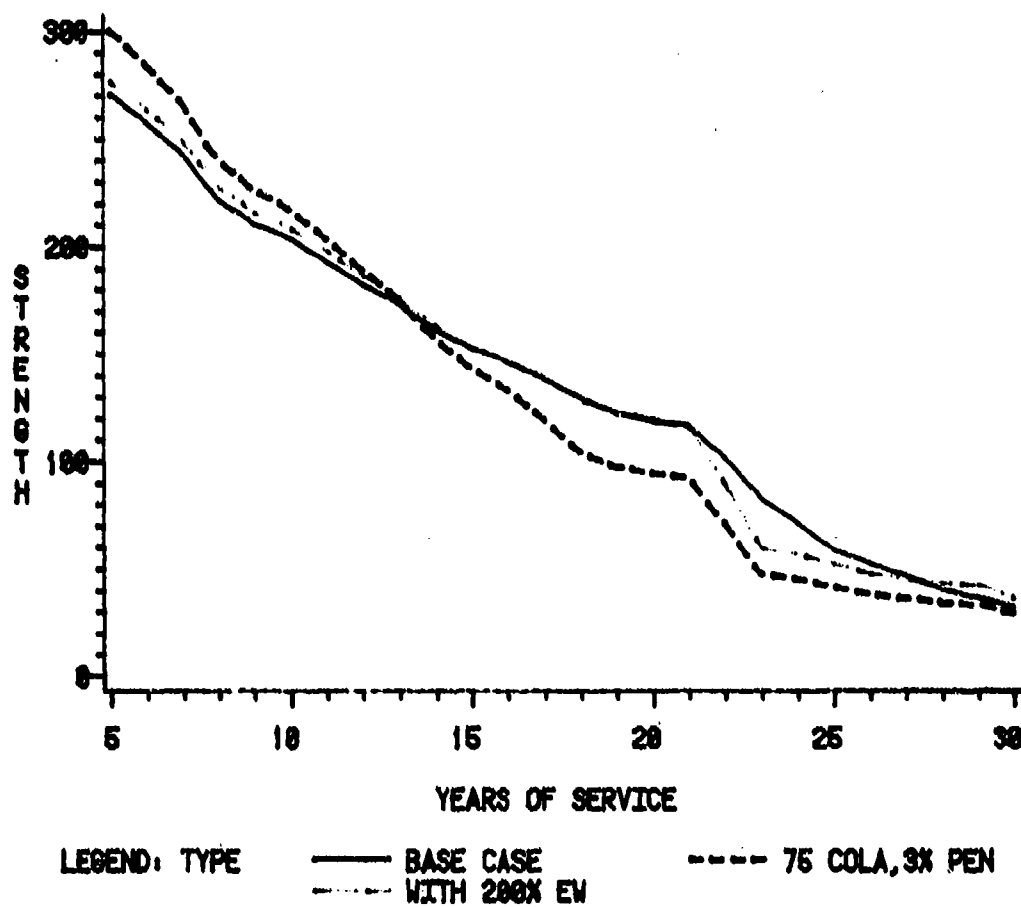
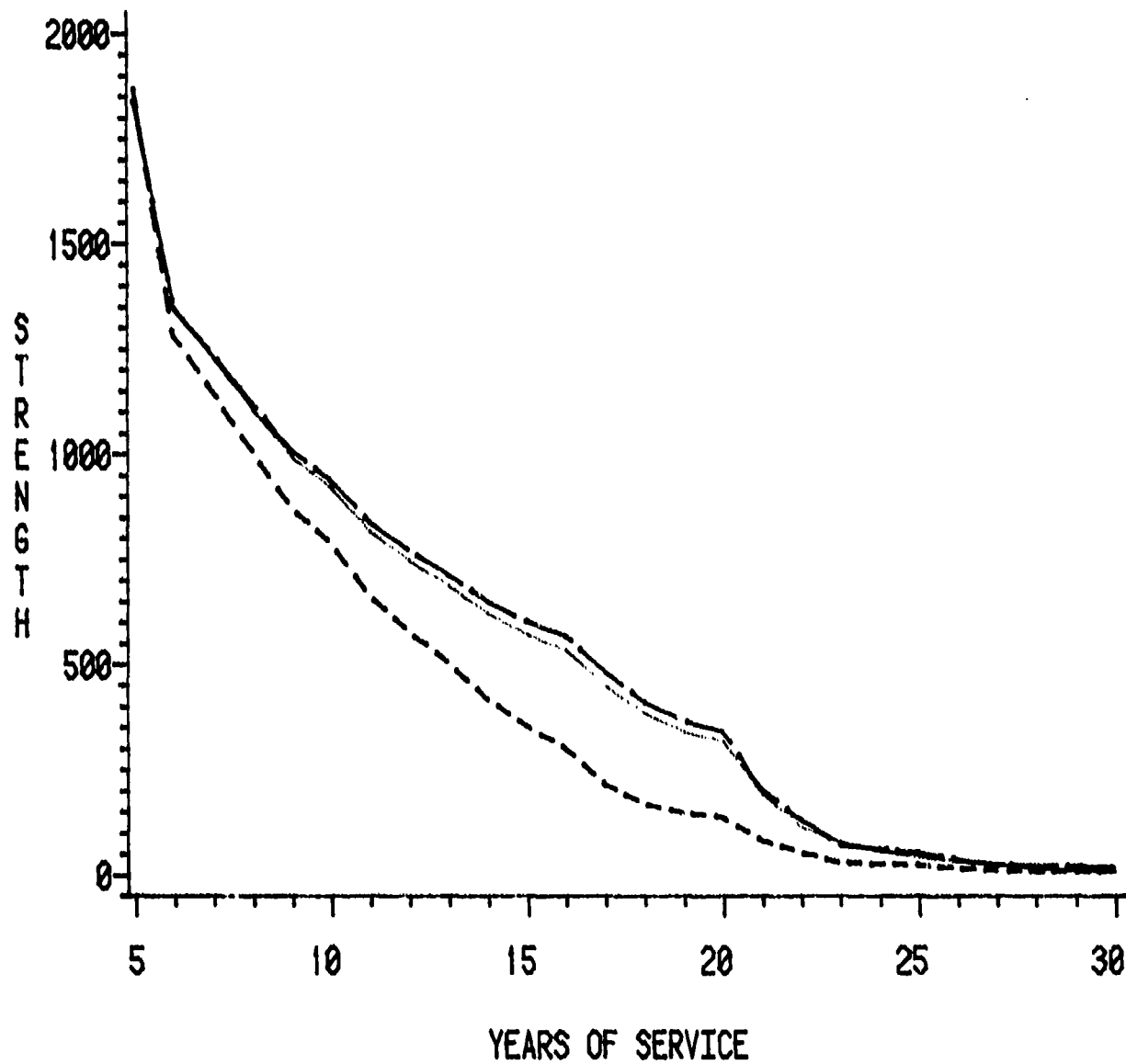


Figure 2
ENLISTED STRENGTH
 U.S. COAST GUARD



LEGEND: TYPE

— · — BASE CASE

----- 75 COLA, 3% PEN

— — — WITH 300% EW

**PERSONAL DISCOUNT RATES:
ESTIMATES FOR THE MILITARY POPULATION**

Matthew Black

May 20, 1983

Study Prepared for:
Fifth Quadrennial Review of Military Compensation

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I. INTRODUCTION

This report presents SRA's empirical estimates of personal discount rates for military officers and enlisted personnel. The subject of discount rates is arcane, but has assumed great relevance for the analysis of military compensation being conducted by the Fifth Quadrennial Review of Military Compensation. A major issue in this assessment is the extent to which the current and proposed retirement systems achieve the objective of attracting and retaining the personnel required by the military at minimum cost. In turn, the effect of deferred benefits on individual behavior depends crucially on how he discounts future income to the present. An individual's discount rate can be viewed simply as the relative preference for current over future income.

1.1 Overview

Models, such as the Annualized Cost of Leaving (ACOL) model, use discount rates to combine streams of future earnings with current income into a single present value measure (or an annualized equivalent). A stimulus to this analysis is the need for empirical evidence on personal discount rates and on how discount rates might vary across individual and military-related characteristics. The estimated discount rates derived from our analysis can be used in retention models to obtain more accurate present values of deferred compensation.

The specific objectives of SRA's analysis are to:

- Estimate real personal discount rates for the military population - officer and enlisted personnel;
- Estimate the roles of personal characteristics and military experience in affecting the size and distribution of personal discount rates;
- Link the empirical results to the ACOL model and assess the major implications for policy analysis.

Attaining these objectives will enhance the utility of retention models in assessing the implications of alternative compensation systems.

The importance of ascertaining the personal rate of discount is demonstrated by the following example. Assume that after 20 years of service, an individual qualifies for a lump-sum retirement payment of \$100,000. This amount could also represent the present value of a hypothetical retirement annuity evaluated at the point of retirement. The potential effect of this future retirement benefit on an individual's current retention decision depends on its perceived present value. The latter is affected by (1) the discount rate, and (2) the remaining time until 20 years of service. In Table 1 the present value of the future \$100,000 retirement benefit is calculated for several combinations of discount rates and current years of service.

TABLE 1

PRESENT VALUE OF FUTURE \$100,000 RETIREMENT BENEFIT
(Available at 20 Years of Service)

| Current Year
of Service | Personal Discount Rate | | | |
|----------------------------|------------------------|-----------|-----------|----------|
| | .05 | .10 | .15 | .20 |
| 5 years | \$ 47,237 | \$ 22,313 | \$ 10,540 | \$ 4,979 |
| 10 years | 60,653 | 36,788 | 22,313 | 13,534 |
| 15 years | 77,880 | 60,653 | 47,237 | 36,788 |
| 20 years | 100,000 | 100,000 | 100,000 | 100,000 |

Alternative assumptions of the discount rate have a dominating effect on the calculated present value. The repercussions for retention analyses of current and proposed retirement systems (as well as other forms of delayed compensation) are quite clear. A lower discount rate will (1) extend the range of the "pull" effect of future benefits, as well as (2) strengthen the impact of the "pull" effect by increasing the present value term.

1.2 Study Approach and Results

The analysis focuses on real discount rates that are net of inflation. Real discount rates are believed to be quite stable over different economic conditions. A nominal discount rate is equal to the real rate plus the expected rate of inflation. The advantage of estimating real discount

rates is that it provides greater flexibility in analyzing compensation policy under alternative economic environments. For example, if deferred compensation is not adjusted for inflation, then a retention model should use a nominal discount rate. If deferred compensation is adjusted, then a real discount rate is most appropriate.

The data source for the study is the 1978-79 DoD Survey of Officers and Enlisted Personnel. The DoD Survey is representative of the military population, it is large (the analysis sample comprises over 9,000 officers and 20,000 enlisted personnel), and it is rich in personal detail. The DoD Survey poses a hypothetical situation to respondents: they are asked to choose among six retirement payout schedules in the context of retiring with 20 years of service. The payout options range from a large lump sum payment to a much smaller lifetime annuity benefit. Among officers, 71 percent selected the lifetime annuity, and among enlisted personnel the frequency was 58 percent. For the most part, survey respondents appear to have considered either the lump sum or the lifetime annuity alternative.

Each retirement option implies a real rate of return relative to the lump sum amount. Individual choices, in turn, imply a revealed preference for the rate of return associated with its respective retirement option. The analysis exploits this information to estimate underlying personal discount rates. In particular, the analysis focuses on the choice between the lifetime retirement annuity and all other payout options. This focus results in a binary outcome that is amenable to statistical estimation. The real rate of return associated with the lifetime annuity vis-a-vis the lump sum payment is 13.4 percent for both officers and enlisted personnel.

A probability model is developed that relates the likelihood of choosing the lifetime annuity to an individual's unobserved discount rate. The likelihood increases as an individual's real discount rate becomes smaller relative to the 13.4 percent rate of return, and vice-versa. The unobserved discount rate is assumed to be a function of observable characteristics. The probability model is then specified as a logistic function and estimated with a maximum-likelihood technique.

The resulting estimates of real personal discount rates in the military population are:

| <u>Group</u> | <u>Mean</u> | <u>90% Interval</u> |
|--------------|-------------|---------------------|
| Officer | 10.3% | 8.5% to 12.4% |
| Enlisted | 12.5% | 9.8% to 15.0% |

The empirical analysis finds that discount rates vary significantly by personal and military-related characteristics. The results are corroborated by estimates from other studies of personal discount rates:

- Past military personnel surveys find nominal discount rates of

| | <u>1953 Survey</u> | <u>1971 Survey</u> |
|-------------|--------------------|--------------------|
| -- Officer | 6.5% to 10.6% | 7.4% to 14.5% |
| -- Enlisted | 11.0% to 20.2% | 8.2% to 17.5% |

- Cylke, Goldberg, Hogan, and Mairs (1982) estimate real discount rates of

-- Navy enlisted (YOS 3,4): 15% to 18.5%

- Gilman (1976) estimates real discount rates for nonprofit institution employees (18 to 45 years old) of

-- 1.3% to 24.0%

- Selected analyses of civilian-based samples estimate discount rates of:

| | |
|-----------------------|------------|
| -- Landsberger (1971) | 9% to 27% |
| -- Heckman (1976) | 18% to 20% |
| -- Hausman (1979) | 15% to 25% |

The analysis then turns to an examination of how the results affect the ACOL model. Average discount rates are computed for 104 officer and 208 enlisted groups. Groups are defined by Service, YOS, and technical versus nontechnical occupation for enlisted personnel. Group-based regression equations are estimated for both the officer and enlisted groups. The estimated equations provide a compact way to describe and interpret discount rate variation across military groups. The group-based results enable us to insert discount rates easily into the ACOL model.

Comparisons of our results with those used currently by the ACOL model suggest two conclusions. First, the ACOL discount rates are too high for $YOS \leq 10$ groups and too low for $YOS > 10$ groups. Second, discount rates fall steadily with YOS rather than abruptly as assumed in the ACOL model. In the case of younger military cohorts, our results imply that changes in deferred compensation will have larger retention effects compared with what is presently predicted. Hence, the retirement system has a longer and stronger pull effect for personnel with fewer than 10 years of service than what is predicted using the present ACOL assumptions.

1.3 Organization of the Report

The remaining sections of this report discuss the background, data, methodology, and findings of SRA's discount rate analysis. The report is organized into the following sections, including two technical appendices:

- Discount Rate - introduction to the concept of personal discount rates, its relationship to present value calculations, and sources of personal variation.
- Data Source - description of the 1978-79 DoD Survey of Officers and Enlisted Personnel and the key questionnaire item on which the analysis is based, and calculation of the implied real rates of return.
- Methodology - development of the statistical model, principal analysis steps, and hypotheses.
- Results - presentation of the empirical estimates and interpretation of the findings.
- Implications - discussion of how to use the results in the context of the ACOL model and the implied repercussions for retention analysis.

II. PRESENT VALUE AND THE PERSONAL DISCOUNT RATE

A personal discount rate reflects an individual's preference for current over future income. This temporal preference is relevant for military compensation policy because it influences the effect of deferred compensation on short-run individual labor supply decisions. This section briefly discusses the concept of personal discount rates and relates it to the calculation of present values. The discussion then turns to the relationship between individual discount rates and imperfections in the capital market. The section concludes with a discussion of why discount rates are expected to vary by personal and financial characteristics.

2.1. Personal Discount Rates and Present Values

A rational person will always prefer \$1.00 now versus \$1.00 later. This is because current income can be used for (1) immediate consumption, yielding a "psychic" return in the form of increased satisfaction or utility; and (2) investment, earning a return set by the market interest rate (i) so that \$1.00 will be worth $\$1.00(1+i)$ in the next period.^{1/}

In the absence of lending or borrowing constraints, an individual will allocate his income across current and future periods until the respective ratios of marginal utilities of consumption for each period are just equal to $(1+i)$.^{2/} In periods of relatively low income, an individual will tend to borrow against his future income, and save (or pay off loans) during periods of high income.

^{1/} In this and the following examples, we assume that interest is paid once each period (i.e., periodic compounding). If interest is earned on a continuous basis, then an exponential function would be appropriate.

^{2/} Appendix A derives this equilibrium condition and highlights the role of the interest rate in the consumer allocation problem.

In this context, the rate of return that makes an individual indifferent between \$1.00 now and \$1.00(1+i) next period is the rate of personal time preference or subjective discount rate. The present value of future income must therefore account for the deferred consumption and investment opportunities during the intervening period. This implies that in a simple two-period case, the present value (PV) of \$1.00 received next period is equal to:

$$PV = \frac{\$1.00}{(1+i)} \quad (1)$$

For example, if the interest rate is 10 percent, then the present value of \$1.00 in deferred income is \$.91:

$$PV = \frac{\$1.00}{(1.1)} = \$.91.$$

An individual would be indifferent between receiving \$.91 today and \$1.00 next period.

The present value concept can easily accommodate situations in which income is paid in a more distant period. The important consideration in this case is that the cumulative or compounded effect of foregone consumption and returns on investment must be taken into account by the discounting procedure. In general, the present value of income received t periods in the future is determined by:

$$PV = \frac{\$1.00}{(1+i)^t} \quad (2)$$

For example, at a prevailing interest rate of 10 percent, the present value of \$1.00 paid 15 years from now would be \$.24.

$$PV = \frac{\$1.00}{(1.1)^{15}} = \$.24.$$

When income (Y_t) varies over time and is received for T future periods, the present value of the income stream is found by the following:

$$PV = \sum_{t=1}^T \frac{Y_t}{(1+i)^t} \quad (3)$$

In this case, the discounted value of each period's income is summed together. If interest rates were compounded continuously rather than once each period, then an exponential discounting procedure would be used according to:

$$PV = \sum_{t=1}^T Y_t e^{-it} \quad (4)$$

The present values calculated by equations (3) and (4) are reasonably close, although the continuous rate yields smaller values. In this paper, the latter method is used because of its desirable mathematical properties and because it is conceptually more appealing. Note that in equation (4) income is received once each period, but the discounting term changes continuously.

The link between personal discount rates and present value calculations is clear from the above formulas. The example presented in Section 1 demonstrates the implications of alternative assumptions of the underlying discount rates for the present value. Present value calculations enable us to convert future payments into a form that is comparable to current pay. For a given retention coefficient with respect to current pay, we can then predict the effects on the Armed Forces of alternative levels of deferred compensation. In this analytical context, the discount rate plays a key role.

The foregoing suggests that individuals will discount the value of prospective income because of their preference for current over future income. The unobserved personal discount rate has an important effect on present values and, in turn, on predicted labor supply. This raises the important questions of (1) what is the underlying personal discount rate, and (2) how might it vary with individual characteristics? The results presented in this report are intended to answer these empirical questions.

2.2. Market Imperfections and Personal Discount Rates

Section 2.1 developed the idea that individuals borrow and save in order to adjust their temporal consumption pattern for a given stream of expected income. The amount and timing of these allocation decisions are dependent on individuals' time preferences, the utility derived from consumption, and the prevailing interest rate. Personal discount rates would converge toward the prevailing interest rate after individuals have borrowed and saved to optimize their consumption patterns. This implies that a single personal discount rate would be manifest as determined by the forces of supply and demand in the capital market.

Market imperfections, however, drive a wedge between desired and actual behavior. There are three types of imperfections that lead to variation in personal discount rates that differ by personal attributes:

- A single market interest rate does not exist. The interest rate for loans (borrowing rate) exceeds the rate of return earned on investments (lending rate). In addition, there are multiple borrowing and lending rates that vary by the financial instrument's risk, amount, maturity, and collateral.
- Access to consumer loans is limited. Some persons (e.g., young, low income) may be unable to obtain credit, regardless of need.
- Amount of borrowed funds is limited. Individuals may be unable to secure as much financing as they would be willing to borrow at current interest rates.

These real-world considerations imply that personal discount rates will exhibit substantial variation. This would occur because of the spread in existing interest rates and, more importantly, because many persons are not "at the margin." That is, institutional constraints result in disparities between individual time preferences and market interest rates. If loans were not limited with regard to access or amount, then we would expect discount rates to be bounded by lending and borrowing rates.

The equilibrating mechanism, however, is thwarted when there are constraints imposed on borrowing. In this instance, individuals may be unable to obtain loans to satisfy their consumption needs. Therefore, unobserved

discount rates will be higher than market borrowing rates for persons denied loans. This suggests that major sources of interpersonal variation in discount rates are the degree of access and the limitations to borrowing.

In general, we would expect that the ability to borrow is positively related to age, income, and net worth. Each conveys information to lending institutions concerning an individual's likelihood of repaying a loan. Such a probability depends on financial well-being and credit risk which institutions tend to link to these characteristics.

The extent to which personal discount rates exceed market borrowing rates would be determined by unobserved consumption needs. Because the latter are affected by family size, larger households should have higher discount rates than smaller units, other things equal. In addition, studies of individual lifetime earnings find that real income tends to rise steadily with age, peaks in the mid-forties, and then declines modestly. If consumption requirements for a given family size change less than income, then it is reasonable to predict higher discount rates for younger than older persons. Finally, access to the loan market may vary by education (a proxy for information gathering ability and an indicator of credit risk), and by ethnicity (a proxy for consumption preferences and an indicator of possible discrimination in the capital market).

In sum, personal discount rates reflect individuals' preferences for current versus future income. However, individuals' choices regarding their consumption, saving, and borrowing decisions are made within an institutional setting. In this context, a single discount rate is highly unlikely because of market imperfections and the distribution of personal and financial characteristics. Of particular interest for an analysis of personal discount rates is the set of observed individual choices in the existing institutional framework. Individual choices regarding alternative investment opportunities provide, by implication, information on underlying personal discount rates. While not directly observable, appropriate statistical techniques can be used to derive estimates of unobserved discount rates consistent with revealed preferences. The following sections discuss our efforts in this regard.

III. DATA SOURCE

The data base for the analysis is the 1978-79 DoD Survey of Officers and Enlisted Personnel. The DoD Survey is the only survey administered to personnel in all Services from which valid statistical inferences can be made with regard to the entire military population. This section is organized into five parts.

- Overview of the DoD Survey;
- Description of the survey question used to calculate rates of return;
- Discussion of how the rates are calculated;
- Link between the rates of return and personal discount rates;
- Assessment of the strengths and weaknesses of the data.

In brief, the data source for the analysis consists of information obtained directly from the survey as well as indirect information based on rates of return calculated from the survey questionnaire.

3.1. Overview of the DoD Survey

The survey collected data from 57,540 persons who completed a mail questionnaire fielded during the first half of 1979.^{3/} The DoD Survey data consists of two samples -- officers and enlisted personnel. Each sample was stratified to obtain a sufficient number of observations by:

- Service;
- Year of Service (for enlisted personnel);

^{3/} The 57,540 completed questionnaires represents a completion rate of 62.2 percent; a response rate that exceeded the original sampling requirements by over 5 percent.

- Pay grade (for officers);
- Time remaining in enlistment contract (for enlistees with YOS less than 8 years);
- Sex, race (for enlisted personnel).

Two questionnaire forms were developed for each of the officer and enlisted samples in order to collect a wider range of information than possible with only one questionnaire form. The first set, Form 1 for enlisted and Form 3 for officers, focused on economic and labor supply issues. Forms 2 and 4 focused on the quality of military life. There is, however, considerable overlap between the two questionnaire variants in terms of the basic data collected. See Hutzler and Doering (1980) for description of the sample design and selection, and Doering et al. (1981) for the user's manual and codebook.

For the purpose of analyzing personal discount rates, only Forms 1 and 3 of the DoD Survey are relevant. This reduces the original survey by about one-half. The number of respondents are presented below by Military Service: ^{4/}

TABLE 2
SAMPLE DISTRIBUTION BY SERVICE
(Forms 1 and 3)

| <u>Service</u> | <u>Enlisted</u> | <u>Officer</u> |
|------------------|-----------------|----------------|
| Army | 5,062 | 2,005 |
| Navy | 6,508 | 2,822 |
| Marine Corps | 5,283 | 2,294 |
| <u>Air Force</u> | <u>4,712</u> | <u>2,511</u> |
| DoD Total | 21,565 | 9,632 |

^{4/} Note that because the DoD Survey is a stratified random sample, sampling weights must be applied to the sample observations in order to obtain valid military population estimates.

3.2 Preferences for Alternative Retirement Benefit Schedules

The DoD Survey (Forms 1 and 3) queried respondents about their preferences for alternative retirement benefit schedules. Individuals' choices of a specific payment schedule provide insight into their unobserved discount rates. The statistical analysis uses these responses to estimate the size and distribution of discount rates in the military population as a function of personal and military characteristics. The information contained in the survey questionnaire, however, cannot be used directly to infer discount rates. Preliminary calculations are required and Section 3.3 outlines the necessary procedures and assumptions.

The DoD Survey posed the following hypothetical situation to respondents (Q83, Form 1 for enlistees; Q74, Form 3 for officers):

Suppose you retired with 20 years of service at an E-7 (enlisted) or O-5 (officer) pay grade and you had to choose the way in which your retirement benefits would be paid. Which of the following would you choose? The payments listed below would be the initial payment schedule; however, your future payments would be adjusted for inflation and taxed in the same way as the current retirement system.

There were six options from which to choose. The alternative retirement schedules for officers and enlisted personnel are presented in Table 3 along with their respective frequency distributions for each population group.

TABLE 3

ALTERNATIVE RETIREMENT BENEFIT PAYOUT SCHEDULES

| Schedule | Officer | | Enlisted | |
|-----------------------------------|-------------|-----------|------------|-----------|
| | Amount | Frequency | Amount | Frequency |
| Lifetime Annuity | \$12,630/yr | 71.6% | \$5,800/yr | 57.9% |
| 20 Year Annuity | 14,200/yr | 9.2% | 6,600/yr | 8.9% |
| 10 Year Annuity | 19,670/yr | 2.8% | 9,140/yr | 6.3% |
| 5 Year Annuity | 31,890/yr | 1.8% | 14,810/yr | 4.1% |
| 2 Year Annuity | 69,650/yr | 1.1% | 32,350/yr | 2.6% |
| Lump Sum Payment
at Retirement | 120,870 | 13.5% | 56,150 | 20.2% |

The statistics in Table 3 indicate a strong preference for a lifetime retirement annuity. Both sets of responses exhibit a bimodal distribution. On the surface, it appears as though respondents tended to consider either a lifetime (or a 20-year) annuity or a lump sum payment at retirement. As discussed below, individual responses to the retirement options provide useful information about underlying discount rates.

3.3 Calculation of the Implied Rates of Return

The financial characteristics of each retirement benefit plan offered in the survey imply a real rate of return relative to the lump sum payment. Using the features of each payout schedule, Appendix B derives the implied rates of return. These calculations enable us to interpret a choice for a particular payout schedule as a preference for its real rate of return.

Derivation of the implied rates of return is performed by solving for the rates that equate the present value of each retirement annuity to the lump sum payment. Because future benefits are adjusted for inflation (we assume full adjustment), the derived rates are net of inflation. Therefore, changes in prevailing nominal market interest rates, which are affected by inflation, will not affect the calculated real rates of return.

A key assumption underlying the calculations concerns individuals' consideration of the tax system in choosing a retirement payout schedule. If respondents acted as though tax rates were proportional (i.e., tax rates did not increase with taxable income), then the tax system would have little effect on the derived rates of return. However, the federal income tax system is progressive. Hence, a greater proportion of the lump sum benefit would be taxed away than for the smaller retirement annuities. This raises the after-tax returns calculated for the smaller annuities.

Individuals are able to offset the progressivity of the tax system if they avail themselves of 10-year income averaging. By spreading a large surge of income over a number of years, individuals may remove most or all of the tax disadvantages associated with receiving a lump sum versus an annuitized retirement benefit. However, it is assumed that respondents did not consider income averaging when choosing among the payout options.

For the purpose of calculating the rates of return, we assume that survey respondents viewed the tax system as progressive. The specific tax rate assumptions represent average marginal tax rates -- the average rate applied against the additional retirement income. For example, the rate of return associated with the lifetime annuity vis-a-vis the lump sum amount is based on the following tax assumptions:^{5/}

- Officers - Average marginal tax rate of 40 percent applied against the lifetime annuity, and 56 percent applied against the lump sum benefit.
- Enlisted - Average marginal tax rate of 19 percent applied against the lifetime annuity, and 42 percent applied against the lump sum benefit.

With regard to the other, larger annuity plans, we assume higher tax rates than for the lifetime annuity. The calculations yield real rates of return for each retirement benefit schedule that are summarized in Table 4. The rates of return are approximately the same for the lifetime and 20-year annuity plans. The calculated rates are higher for the shorter-term annuities. The lump sum payment does not have an associated rate of return because it is received at the date of retirement.

^{5/} In the case of a lifetime annuity, it is assumed that an individual will work for an additional 25 years after leaving the military, and then retire and receive untaxed benefits for another 20 years.

TABLE 4

CALCULATED REAL RATES OF RETURN TO
ALTERNATIVE RETIREMENT PAYOUT PLANS ^{6/}
(Relative to the lump sum payment)

| Schedule | Officer | Enlisted |
|------------------|---------|----------|
| Lifetime Annuity | 13.4% | 13.4% |
| 20 Year Annuity | 13.9 | 14.4 |
| 10 Year Annuity | 15.4 | 16.8 |
| 5 Year Annuity | 17.3 | 20.3 |
| 2 Year Annuity | 15.9 | 20.2 |

The tax rate assumptions are quite important. If proportional tax rates were assumed (regardless of the tax rate), the derived rates of return would be 9.53 percent for all payout options and for both samples.

3.4 Link Between Rates of Return and Personal Discount Rates

The calculated rates of return associated with the retirement payout options provide essential information for the estimation of personal discount rates. As noted earlier, personal discount rates are not directly observable. Rather they must be inferred from individual behavior or decisions regarding

^{6/} The rates reflect continuous compounding. Higher rates would have been calculated if it were assumed that interest was earned periodically (e.g., once a year). Tax rate assumptions are based on the 1978 IRS Federal Income Tax Forms. Respondents were either preparing to or had just finished paying their 1978 taxes.

alternative investments. The six payout options in the DoD Survey presented respondents with a hypothetical investment problem. Therefore, individual choices can be interpreted as revealed preferences for a specific rate of return.

An individual's preference is theoretically governed by a comparison between his discount rate and the rates of return offered by each of the retirement benefit plans. For example, if an individual chooses a lump sum payment, then by inference his discount rate would exceed the rate of return associated with the other alternatives. Such a choice would imply that either the marginal utility of using the lump sum for consumption, or the expected rate of return from investing the cash, is greater than the perceived return offered by the deferred benefit options. Because the rates of return constitute investment thresholds, the statistical analysis can use the survey data to predict what factors influence individual choices through their indirect effect on unobserved personal discount rates.

3.5 Strengths and Weaknesses of the DoD Survey

The DoD Survey is an attractive data base that can support a wide range of empirical analysis. Its general strengths derive from its:

- Large number of sample observations: over 9,000 officers and 20,000 enlisted personnel in the analysis sample;
- Representativeness of the military population;
- Timeliness (fielded in 1979);
- Detailed data on personal characteristics, finances, and military experiences.

A specific advantage of the survey is that it permits estimation of personal discount rates through an analysis of individual preferences for alternative retirement benefit schedules. This context is particularly germane because it focuses on an issue of direct relevance to evaluating

potential changes in the retirement system. Further, the retirement options deal with large dollar amounts. To the extent that discount rates are affected by an individual's income and asset position, this context becomes even more relevant for retirement analysis.

Possible weaknesses of the DoD Survey stem from two sources. First, the analysis is based on individual preferences in a hypothetical situation rather than on actual behavior. Individuals may assess alternative investment opportunities with less scrutiny in the former than in the latter case. If so, then our estimates may be in error. Second, assumptions are required concerning the manner in which respondents treat the tax system in making their choices among the benefit plans.

The importance of these inherent shortcomings is difficult to evaluate. However, there are counter-arguments that offset the above weaknesses. First, the estimated discount rates, presented in Sections 5 and 6, are corroborated by estimates from other studies using different data bases and different methodologies. Second, the way in which military personnel perceive their future retirement benefits may closely resemble the way in which respondents evaluated the alternative payout schedules in the survey.^{1/}

^{1/} This does not vitiate efforts to calculate rates of return and present values using precise assumptions in analyzing discount rates and labor supply. This mathematical approach is based on the premise that individuals act "as though" they had made such calculations.

IV. STATISTICAL METHODOLOGY

In this section a model is developed to exert some statistical leverage on the responses to the retirement payout question. The unifying framework and specified relationships imbedded in the model enable us to draw statistical inferences from the individual preferences revealed in the survey data.

The specific focus of the analysis is the choice between a lifetime annuity and all other options, including the lump sum payment. This reduces the statistical problem to one of predicting the occurrence of two possible outcomes. A binary outcome simplifies the analysis and is amenable to statistical techniques designed for estimating probabilities. Unreported experiments were conducted using alternative binary splits (e.g., combining the lifetime and 20-year annuities) but the results supported the initial split.^{8/}

The model consists of two related parts:

- Probability model - likelihood of choosing a lifetime annuity is related to an individual's unobserved discount rate relative to the annuity's 13.4 percent rate of return.
- Personal discount rate function - unobserved discount rates are a function of observable personal characteristics.

The probability model incorporates the discount rate function as a substitute for the unobserved rate. The section then discusses the estimation techniques and concludes with an overview of the hypotheses of what factors influence interpersonal variation in discount rates.

^{8/} In light of the bimodal distribution, we doubt whether a multiple probability model (e.g., multinomial logit) would generate results that differed substantially from those reported here. Nevertheless, we recommend that future analysis consider such a line of inquiry to test this assumption.

4.1 Probability Model

The model is cast as the probability of selecting a lifetime annuity versus all other benefit alternatives. The choice is based theoretically on an individual's comparison between his discount rate and the threshold rate of return of 13.4 percent. The probability of an individual selecting a lifetime retirement annuity can be specified as the probability (P_1) that his unobserved discount rate (r_1) is less than or equal to 13.4 percent:

$$P_1 (\text{selecting lifetime annuity}) = P_1 (r_1 \leq .134) \quad (6)$$

The greater the likelihood of observing an individual's preference for a lifetime annuity, the smaller is the unobserved discount rate in relation to 13.4 percent.

An individual's retirement plan choice does not identify a unique discount rate. Rather, it indicates whether an individual's discount rate is above or below or equal to 13.4 percent. In this sense, the calculated rate of return serves as an investment threshold that guides individual decision-making. This approach provides an analytical structure to the statistical problem. However, the combination of (1) revealed preferences for a specific payout option, and (2) the calculated rate of return of 13.4 percent yields crucial information that can be exploited by the model.

Individual choices between the lifetime and other retirement plans are thus equivalent to hypothetical investment decisions based on the following criteria:

- Choose the lifetime annuity if the real personal discount rate is equal to or less than 13.4 percent.
- Choose one of the other payout options if the personal discount rate exceeds 13.4 percent.

4.2 Discount Rate Function

An individual's real discount rate is assumed to be a linear function of personal factors that capture the effect of (1) institutional borrowing constraints, and (2) rates of time preference. In practice, we cannot distinguish between the two because personal discount rates reflect the interaction of personal preferences and market circumstances. The unobserved discount rate is specified according to:

$$r_1 = X_1 B \quad (7)$$

where B is a vector of coefficients, and X_1 is a vector of personal characteristics.^{9/}

Section 4.4 describes the variables contained in the X_1 vector and discusses their hypothesized effects on personal discount rates. The importance of equation (7) is that it enables us to substitute an observed relationship, $X_1 B$, in place of the unobserved r_1 . This results in the following probability expression:

$$P_1 (\text{selecting lifetime annuity}) = P(X_1 B - .134 \leq 0). \quad (8)$$

The higher the probability of choosing the lifetime annuity, the smaller is the difference, $X_1 B - .134$.

4.3 Estimation Techniques

The above probability expression, $P(\cdot)$, is a cumulative distribution function that describes how individual probabilities are related to the

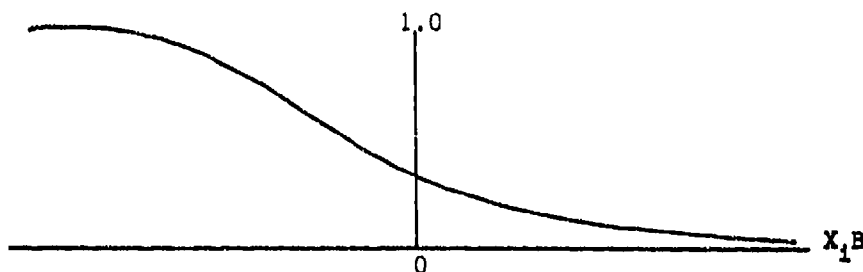
^{9/} It would be reasonable to expect discount rates to be randomly distributed according to some stochastic term. However, the logistic model used in the estimation requires a deterministic relationship between r_1 and $X_1 B$. Including individual error terms would result in an intractable estimation problem (see Hanushek and Johnson, p. 197 fn 22).

exogenous variables. Because the probability of choosing the lifetime annuity must fall within the 0 to 1 range, there is good reason to believe that P is nonlinear. In particular, it is likely to exhibit an S-shaped curve, implying that the effect of an exogenous variable on the probability will become increasingly smaller at extreme values of P_1 . ^{10/}

In order to estimate the parameters of the model, a specific functional form must be specified for "P". Two of the most widely used distribution functions are the probit and logistic distributions. Both are very similar, differing primarily in the rate at which they approach the limiting values of 0 and 1. We employ the logistic function which relates the probability to the exogenous factors according to equation (9):

$$P_1 \text{ (selecting lifetime annuity)} = \frac{1}{1 + e^{-(X_1 B - .734)}}$$

The logistic distribution describes the following S-shaped curve:



The logistic distribution ranges from 0 to 1 as $X_1 B$ goes from $+\infty$ to $-\infty$. While the probabilities are bounded, $X_1 B$ is not. As specified, an individual's unobserved discount rate is assumed to be measured by $X_1 B$. Although the discount rate is a linear function of the exogenous variables according to $X_1 B$, the probabilities are nonlinearly related.

^{10/} This is reflected by taking the partial derivative of P with respect to one of the exogenous variables. In brief, the partial effect is dependent on the values of all of the other exogenous variables which determine at which P value the partial derivative is being evaluated.

The parameters (B) of the logistic model are estimated by applying maximum-likelihood methods to equation (9). The logic behind this procedure is to estimate the unknown parameters of the probability function that maximize the likelihood of observing the actual pattern of selecting or not selecting a lifetime annuity. The maximum-likelihood estimators are consistent and asymptotically efficient. ^{11/}

From equations (8) and (9) it would seem that the maximum-likelihood results could be used directly to calculate estimated individual discount rates. However, this cannot be done in such a straightforward manner. The reason is that maximum-likelihood procedure operates on a standardized logistic function. All coefficients are standardized or implicitly weighted by $\pi/\sigma\sqrt{3}$. Although we can multiply each coefficient by $\sigma\sqrt{3}/\pi$, the underlying standard deviation (σ) is unknown. Ascertaining the value of σ is crucial to estimating the implied discount rates.

Fortunately, the standard deviation can be estimated in a bivariate logistic model. Johnson and Kotz (1970) show that in such a case:

$$\hat{\sigma} = \hat{B}(\pi/\sqrt{3}). \quad (10)$$

Therefore, we estimated a constrained probability model as a function of YOS and a constant term. The derived estimates of the standard deviation are:

| | σ |
|----------|----------|
| Officer | .0606 |
| Enlisted | .0746 |

^{11/} The model is estimated with the LOGIST procedure available in the Statistical Analysis System (SAS) software package.

These estimates provide the missing link and enable us to obtain "unstandardized" estimates of the B coefficients.^{12/} The estimated standard deviations imply that discount rates are more widely dispersed for enlisted personnel than officers. The estimated coefficients presented in Section 5 have been weighted by the above factors. As a result, the results pertain to estimated individual discount rates.

4.4 Sources of Personal Discount Rate Variation: Hypotheses

Several personal and military-related factors may be related to real personal discount rates. The variables, denoted by the above X vector were collected by the DoD Survey. Their hypothesized relationships to personal discount rates are highlighted below.

- o Access to Capital Markets and Preferences for Current Over Future Income

- Demographic: sex, race
- Income versus needs: military pay, family size
- General knowledge: educational attainment
- Military experience: branch of service, occupation, YOS

Access to loans may be limited for women and minorities. This would suggest that these groups would have higher real discount rates. A similar case can be made for persons who are relatively younger, less educated, and have lower incomes. Individuals with larger families for a given income are also believed to have higher discount rates. Education serves as a proxy for general knowledge of borrowing and investment opportunities as well as a

^{12/} The $\hat{\sigma}$ are not exact measures because they cannot be estimated in a multivariate logit model. Gilman (1976) conducted a similar analysis using a probit model. Although he was unable to estimate directly, he set $\sigma = .06$ on the basis of sensitivity tests and other criteria regarding the probable distribution of discount rates in the population.

possible screener used by lending institutions. Finally, discount rates may vary by Service and occupation possibly because of the type of personnel attracted by each.

o Revealed Discount Rates

- Financial Assets
- Nonmortgage debts
- Home ownership
- Remaining years of planned military service

Individuals with substantial liquid assets are more likely to have discount rates (at the margin) that are below market interest rates earned on investments which historically have provided a real return of less than 13.4 percent. In contrast, the presence of nonmortgage debts suggests a discount rate above the prevailing rate charged on loans. Furthermore, financial assets represent potential consumption while debt obligations represent the opposite. Both may affect a lending institution's willingness to loan money. The predicted effect of home ownership is ambiguous. On the one hand it may reflect a forward-looking perspective and a preference for investment. On the other hand, a home mortgage may place an added burden on current income and affect the amount of borrowing that is possible.

An individual's remaining years of planned service is predicted to be negatively related to his discount rate. First, the current retirement system will tend to encourage longer careers for persons with lower discount rates. The lower the personal discount rate, the larger is the perceived present value of retirement benefits; hence a stronger pull effect as manifested in longer expected career lengths. Second, remaining years of planned service may reflect an individual's planning horizon. Those who take each year, one at a time, may have higher discount rates and shorter time horizons than persons who are less myopic. A significant relationship between expected career lengths and personal discount rates would imply that more career-oriented military personnel are more strongly influenced by deferred compensation than those with shorter planned careers.

o Knowledge of the Current Retirement System

- Response to DoD Survey question concerning the percent of basic pay on which the current military retirement benefit is calculated for retirement at 26 years of service. (correct answer is 65 percent).

This variable is intended to control for two possible effects. First, an incorrect answer may reflect a cavalier attitude on the part of the survey respondent. If so, his evaluation of the alternative payout schedules may have been perfunctory and manifested in an almost reflexive choice for a lump sum payment. Second, those who are attracted to the current retirement system are more likely to understand its benefit formulas. Such an association should be reflected in a preference for the lifetime annuity option as offered under the current system.

Among the surveyed officers, the responses were, on average, 4.1 percentage points above or below the correct answer of 65 percent (the standard deviation of the error was 7.1 percentage points). Among the surveyed enlisted personnel, the responses were, on average, 7.7 percentage points above or below the correct answer (the standard deviation was 9.3 percentage points).

V. SOURCES OF DISCOUNT RATE VARIATION

This section discusses the factors that explain the variation in real personal discount rates. The findings are based on the statistical estimates of the parameters in the probability model developed in Section 4. The data base is the DoD Survey, and the calculated threshold rate of return described in Section 3. Five sources of discount rate variation are discussed below:

- Demographic;
- Financial;
- Education and Skills;
- Military experience;
- Knowledge of present retirement system.

The section concludes by estimating the size and distribution of real personal discount rates in the military population.

5.1 Introduction

The logistic model is estimated separately for officers and enlisted personnel. The two groups represent distinctly different populations so that separate analysis is warranted. The results provide a number of interesting insights into the correlates of personal discount rates. In general, the findings confirm the hypotheses set forth in Section 4.

The estimated coefficients also enable us to impute discount rates to each member of the officer and enlisted samples according to his particular set of personal characteristics. By weighting the survey observations by their respective sampling weights, we can then obtain the size and distribution of underlying discount rates for the military population. Section 5.3 pursues this line of inquiry in detail.

Overall, the analysis yields the following discount rate estimates for the officer and enlisted military populations:

| <u>Quartile</u> | <u>Officers</u> | <u>Enlisted Personnel</u> |
|-------------------|-----------------|---------------------------|
| (Max) | 15.47% | 19.83% |
| 75% | 11.11 | 13.33 |
| 50% | 10.18 | 12.23 |
| 25% | 9.64 | 10.96 |
| (Min) | 6.63 | 7.44 |
| <u>Mean Value</u> | 10.32% | 12.53% |

The distribution of discount rates among officers lies below that of enlisted personnel and exhibits less dispersion. For officers, 90 percent of the population have estimated discount rates between 8.51 and 12.38 percent. For enlisted personnel, 90 percent have estimated discount rates between 9.79 and 15.03 percent. In general, officers have lower discount rates than enlisted personnel, although the two distributions overlap considerably.

5.2 Estimated Sources of Discount Rate Variation

The military population exhibits substantial variation in estimated personal discount rates. Below we isolate key factors that explain this variation. The discussion is based on results from the logistic model estimated on samples of 9313 officers and 20,186 enlisted personnel. With a few important exceptions, cases with missing data values were omitted from the analysis.^{12/}

^{12/}For a few variables, 5 to 10 percent of both samples had missing data: (1) components of military pay and (2) respondents' estimate of the ratio of retirement pay to basic pay. In the latter case, we imputed the sample mean for missing values. In the case of missing military pay components, separate regressions were run to impute base pay and base allowances for quarters; Service means were used to impute special pays, and the sample means were used to impute the basic allowance for subsistence. In addition, missing data on home ownership among the enlisted sample were considered renters. According to Kmenta (1979), the imputation of mean values in place of missing data will not affect the coefficient on the variable in question. The major benefit to this strategy is that we preserve the sample sizes which become critical when we derive population estimates of the underlying personal discount rates.

The estimated coefficients are presented in Table 5. Each estimated coefficient measures the marginal effect of its variable on the discount rate, while holding constant the influence of other factors in the model. The degree to which a coefficient is statistically different from zero is denoted by its associated (asymptotic) t-ratio. Instances of statistical significance are marked by asterisks.

Demographic - Several demographic attributes are found to be significantly related to discount rates after controlling for the influence of educational, financial, and military factors. Black and hispanic officers, and black enlistees, appear to have discount rates that are about 1.25 percentage points higher than otherwise similar whites. Female enlisted personnel, contrary to our expectations, have discount rates that are .5 percentage points lower, on average, than male enlistees. There appear to be no male-female differences among officers, *ceteris paribus*. After several attempts to discern the influence of alternative measures of family composition, the data reveal that divorced, separated, and widowed individuals have higher discount rates than single and married persons. The estimated coefficients are consistent with the notion that individuals who are more likely to be confronted with market constraints or face greater demands for current spending tend to have higher discount rates.

Financial - The possession of liquid assets, in contrast with the negligible influence of home ownership, is significantly related to discount rates. Liquid assets ($\geq \$500$ for officers; $> \$0$ for enlistees) reflect a willingness to save at prevailing market rates, indicating a lower discount rate.^{13/} The relationship is more pronounced for enlisted personnel (1.4 percentage points lower) than for officers (.5 points lower).

^{13/} Few officers are without liquid assets, while one-third of enlistees have zero assets. Furthermore, the positive effect for enlistees is roughly equal across most of the asset categories defined by the data. For officers, there is little distinction over the \$0 to \$499 range, probably because low savings balances are used for transactions rather than investment purposes.

TABLE 5

CORRELATES OF PERSONAL DISCOUNT RATES:
ADJUSTED LOGIT COEFFICIENTS^a
(asymptotic t ratios in parentheses)

| VARIABLE | OFFICERS | ENLISTED |
|--|-----------------|------------------|
| Constant Term ^b | .1254(2.26)** | .1552(7.48)*** |
| <u>Demographic</u> | | |
| Female | .0015(.63) | -.0059(3.03)*** |
| Black | .0137(3.56)*** | .0126(8.04)*** |
| Hispanic | .0123(1.81)* | .0046(1.63) |
| Separated/Divorced | .0230(3.93)*** | .0104(5.02)*** |
| <u>Financial</u> | | |
| Homeowner | .0006(.41) | .0004(.23) |
| Liquid Assets | -.0051(2.29)** | -.0136(7.89)*** |
| Nonmortgage Debts | .0026(1.31) | -.0024(1.76)* |
| Military Pay/Family Size (\$000s) | -.0003(1.89)* | .0000(.07) |
| <u>Education/Skills</u> | | |
| Technical Military Occupation | - | -.0063(4.96)*** |
| Less Than High School Degree | - | .0094(2.82)*** |
| GED | - | .0058(2.83)*** |
| Some College | .0042(1.19) | .0029(2.13)** |
| BA Degree (omitted group) | | .0002(.07) |
| Graduate Degree | .0020(1.13) | - |
| <u>Military Experience</u> | | |
| Navy | -.0033(1.45) | -.0079(4.73)*** |
| Marine Corps | .0052(2.18)** | -.0081(4.62)*** |
| Air Force | .0030(1.30) | -.0042(2.31)** |
| Years of Current Service (YOS) | -.0013(9.94)*** | -.0014(11.83)*** |
| Planned Career Length - YOS | -.0010(7.51)*** | -.0013(11.90)*** |
| <u>Knowledge of Present Retirement System</u> | | |
| (Absolute Value of Estimated Retirement Benefit as % of Basic Pay - 65%) | .0003(2.38)** | .0004(6.00)*** |

^a The normalized coefficients estimated from the logit model were adjusted by $\hat{\sigma}\sqrt{3}/\pi$, where $\hat{\sigma}^2 = .0606$ for officers and $\sigma^2 = .0746$ for enlisted personnel

^b The constant term includes the threshold rate of return implied by the DoD Survey which is 13.4%.

* Significant at the 10% level; two-tailed test

** Significant at the 5% level; two-tailed test

*** Significant at the 1% level; two-tailed test

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Nonmortgage debts of at least \$500 are statistically unrelated to officer discount rates. However, they have a small negative association with enlisted discount rates. This finding is unexpected because the presence of debts suggests higher discount rates compared with those without loans. One explanation is that indebted enlisted personnel also have financial assets. Unreported regressions show this to be true. Persons with liquid assets, with or without debts, are estimated to have lower discount rates. However, those with only debts continue to have lower discount rates than persons without any debts or assets. The latter finding may reflect the fact that enlisted personnel may typically encounter problems in getting loans. If so, successful borrowers may actually have lower discount rates than those unable to obtain financing. To the extent that this phenomenon describes the enlisted population, we would expect a negative association between debts and discount rates relative to those without assets or debts.

An important theoretical determinant of discount rates is income, particularly in conjunction with an individual's consumption needs. The two measures are combined into an income per capita measure, defined as military compensation (in \$1000's) divided by family size. Presumably, an individual's relative time preference is greatest for low values of the ratio and smallest when income is high and family size is small.^{14/} The data corroborate this effect for officers but not for enlisted personnel. However, an extra \$10,000 in per capita pay is associated with only a .3 percentage point reduction in discount rates. A reason for this small quantitative relationship is that military pay and YOS (as well as expected career length) are highly correlated. Statistically, this high collinearity tends to "rob" explanatory power from one or both of the variables -- in this instance, the per capita pay variable. Without YOS and expected career length, military pay/family size has a very strong negative relationship with discount rates.

^{14/} Efforts to split the ratio into separate income and family size variables were less successful statistically and less appealing conceptually.

Education And Skills - Educational attainment and occupational skill levels may be positively related to forward planning and a willingness to prepare or invest for the future. If so, we would expect academic and occupational skill measures to be negatively correlated with discount rates. Among officers, this hypothesis has little empirical support. Along these personal dimensions, officers appear to be relatively homogeneous. Neither the level of schooling nor occupation speciality (DoD categories) had a significant relationship with discount rates.

Enlisted discount rates, on the other hand, display a systematic pattern that declines with educational attainment and occupational skill. In particular, those in technical specialties have discount rates that are about .6 percentage points lower than otherwise similar personnel in nontechnical occupations. There were only minor and insignificant differences across technical occupations, which led to their consolidation into one general group of technical specialties.^{15/} Given the heterogeneity of the enlisted force, this simple occupational variable seems to provide a useful way to categorize the population in terms of discount rates.

Educational attainment among enlisted personnel provides us with another discriminating variable. Two phenomena seem to be operative. First, accomplishment in the form of earning a high school diploma or a B.A. degree seems to be an important factor. Those who do not attain their educational goals, regardless of level, have higher estimated discount rates. Second, the magnitude of the effect diminishes with years of schooling -- from a discount rate .9 percentage points higher among high school drop-outs, to .6 points

^{15/} Technical occupations are based on DoD categories including electronic equipment repairmen, communications and intelligence specialties, functional support and administration, electrical and mechanical equipment repairmen, craftsmen, and medical and dental specialists.

higher for those with GEDs, to .3 points higher for those with some college courses but not a degree. This pattern is consistent with the notion that accomplishing long-term educational goals is indicative of a longer-term perspective and a human capital investment orientation, which appear to be linked to personal discount rates.

Military Experience - The analysis examines whether or not discount rates vary systematically by Service. The four Services may attract different kinds of people and there may be differences in military experience that influence discount rates which are not captured by the other explanatory variables. Among officers, those in the Marine Corps are estimated to have discount rates that are, on average, .5 percentage points higher than for those in the Army (the reference group in the model). Among enlistees, personnel in the Army have discount rates that are .8 percentage points higher than those in the Navy or Marine Corps, and .4 points higher than those in the Air Force -- holding constant other individual characteristics.

Of particular interest to policy evaluation of alternative retirement systems is the relationship between years of service (YOS) and personal discount rates. The estimates reveal that discount rates decline as YOS increases, a trend that is approximately the same for both officers and enlisted personnel. Discount rates fall by .1 percentage point for every additional year of service.

This relationship is consistent with two interpretations. First, theory suggests that discount rates are negatively related to age, which is highly correlated with YOS. Second, a phenomenon of progressive selectivity may be taking place. That is, individuals who tend to remain in the military are more likely to be those for whom the retirement system is a positive inducement. The strength of the effect of retirement benefit on retention, in turn, would depend on underlying discount rates because the latter determines the present value of future perceived benefits.

The degree of association between YOS and discount rates is estimated while holding constant the influence of the remaining years of expected service. The latter variable is defined as total years of planned military

service minus current years of service (YPS - YOS). The analysis finds that for a given YOS, the greater is the number of remaining years of planned service, the lower is an individual's discount rate. The estimated magnitude of this relationship is about the same as for YOS by itself.^{16/}

This result suggests that if retirement benefits were reduced, negative retention effects would be greatest for those with the largest number of remaining years of planned service, ceteris paribus. The link between discount rates and (YPS - YOS) is consistent with the notion that personnel with lower discount rates are more attracted by future benefits than persons with higher rates. Thus, the retention effects of the retirement system, as manifested by expected career lengths, are closely tied to personal discount rates.

Knowledge of Present Retirement System - It is possible that respondents to the DoD Survey did not fully understand, or carefully consider, the question about alternative retirement payment schedules. We attempt to control for the occurrence of this unknown possibility by including a measure

^{16/} Given the correlation between YOS and YPS, the partial effect of an increase in YOS on discount rates(r) is (for officers):

$$\frac{\partial r}{\partial YOS} = -.0013 + \left(\frac{\partial YPS}{\partial YOS} - 1 \right) .001.$$

Therefore, if an increase in YOS by one year does not also raise YPS, then the net impact of a change in YOS on r is almost zero. This would be true for a predetermined career length, in which case an individual's discount rate would remain fixed over time. However, in a separate regression analysis, we find

that $\frac{\partial YPS}{\partial YOS} = 1$ so that, in general, $\frac{\partial r}{\partial YOS} = -.0013.$

of an individual's knowledge of the current retirement system. Respondents were asked to give the percentage of basic pay that determined one's benefit upon retiring at 26 years of service (correct answer is 65 percent). The absolute value of the difference between an individual's answer and 65 was included in the logistic model. The estimated coefficient suggests that discount rates tend to be higher for those who are less well informed. The result is subject to two interpretations.

First, casual attitudes toward the survey may be associated with incorrect responses about the current retirement system and also with higher discount rates, possibly in the form of an almost reflexive choice of a lump sum versus lifetime retirement annuity.

Second, persons attracted to the current retirement system are more likely to know the features of the system. This is consistent with the notion discussed earlier that low discount rates are correlated with individuals' attraction to the retirement system.

5.3 Distribution of Discount Rates in the Military Population

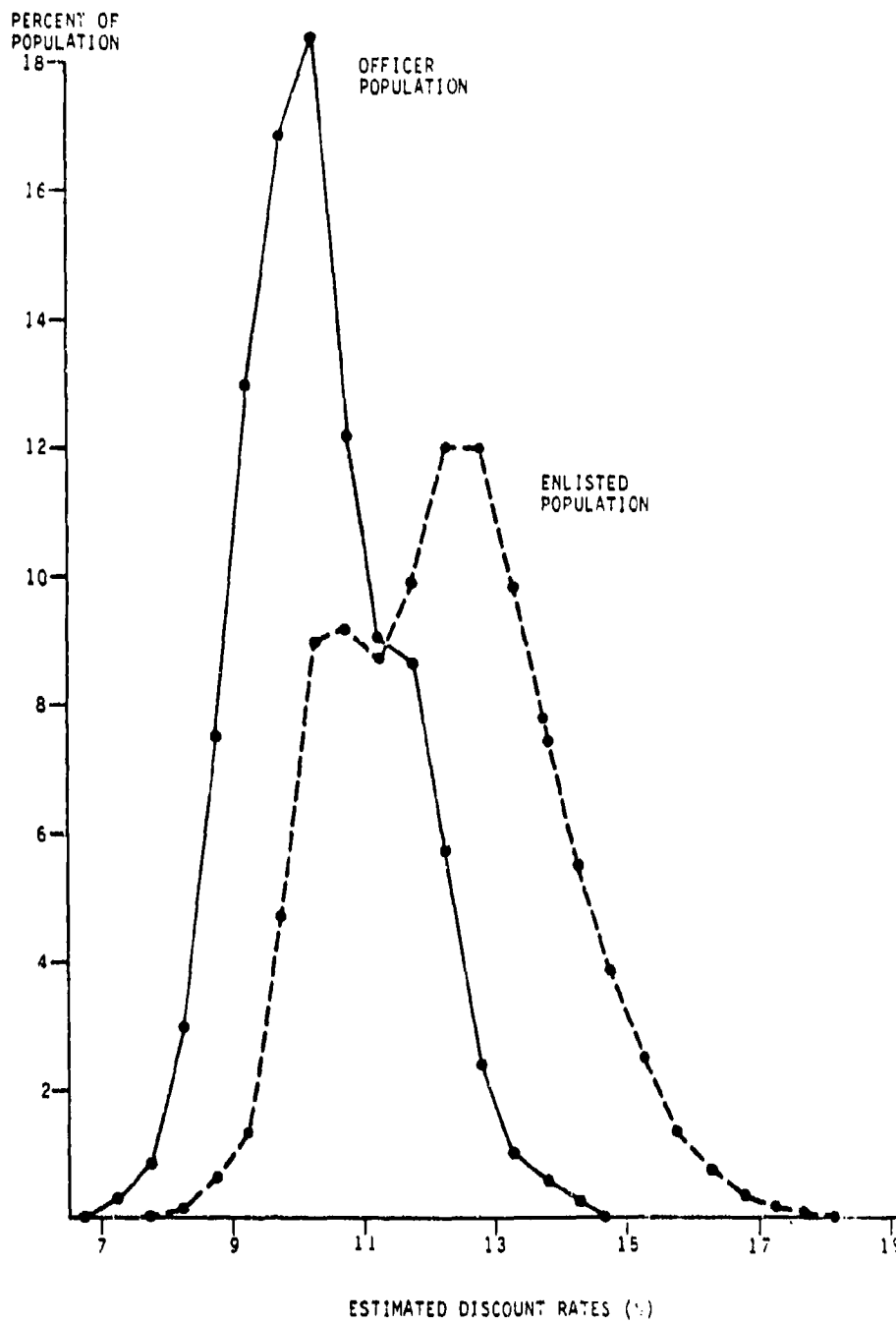
The estimated coefficients presented in Section 5.2 are used to calculate discount rates for each member in the DoD sample. Imputed individual discount rates are calculated as the weighted sum of each person's characteristics (i.e., those variables included in the model multiplied by their respective coefficients), plus the constant term. Personal discount rate estimates for the entire military population are obtained by applying the sampling weights to each sample observation.

The distributions of estimated discount rates for the officer and enlisted populations are depicted in Figure 1. Several conclusions may be drawn from the population distributions:

- Enlisted personnel have higher discount rates than officers, on average. The respective mean values are 12.5 and 10.3 percent.
- The distribution of estimated personal discount rates is more tightly clustered for officers than enlisted personnel.

FIGURE 1

DISTRIBUTION OF ESTIMATED DISCOUNT RATES IN THE MILITARY POPULATION



| | <u>Mean</u> | <u>90% Interval</u> |
|----------|-------------|---------------------|
| Officer | 10.3% | 8.5% to 12.4% |
| Enlisted | 12.5% | 9.8% to 15.0% |

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- The two distributions overlap substantially. However, officers and enlisted personnel with similar discount rates will tend to have quite different individual characteristics.

The size and distribution of the estimated discount rates are based on a wide foundation of individual characteristics. Moreover, the systematic variation in discount rates makes sense in that it generally confirms our theoretical expectations. In addition, the results are consistent with the evidence produced by other studies that estimated real discount rates using different samples and different methodologies.

A study by Cylke, Goldberg, Hogan, and Mairs (1982) estimated real discount rates of 15 to 18.5 percent. Their sample consisted of Navy enlisted personnel, 3 to 6 years of service, who were reaching their first-term reenlistment decision. Cylke et al. examine the relative effect on reenlistment rates of a lump sum bonus versus a four-year installment bonus. The estimates were based on three annual time observations for 87 selected occupational groups.^{17/}

Gilman (1976) estimated real personal discount rates. His analysis sample comprised individuals in four nonprofit institutions who were observed either to participate or not participate in a retirement plan through their employers. Gilman found that discount rates were lower for males and whites and that they declined with age, income, and educational attainment. Real discount rates for white males were estimated to range from 13 to 18 percent

^{17/} This estimated discount rate should be interpreted with caution. It is specific to a narrowly defined military group. More important, the key coefficient on which their discount rate calculations are based is not statistically significant (t ratio = 1.23) according to conventional standards. Aside from the intercept term and the installment bonus variable, no other variables in their regression equation were significantly different from zero.

for 20- to 24-year olds (\$10,000 income); 9 to 14 percent for 30 year olds (\$10,000 income); and 5.6 to 10 percent for 40-year olds (\$15,000 income). Gilman did not use his results to estimate the size and distribution of discount rates among the nonprofit institutional population.^{18/}

There have been several surveys of military personnel that queried respondents about their preferences for a current lump sum payment versus installment payments or a larger sum available sometime in the future. The 1971 Survey of Military Personnel found that discount rates averaged about 10 percent for officers, with a range of 7.4 to 14.5 percent. Among enlisted personnel, discount rates averaged about 12 percent with a range of 8.2 to 17.5 percent. The 1962 Survey of Enlisted Men (excluding outliers) found that discount rates were between 8.5 and 19 percent, and for those with 3 to 4 years of service, the rates were in the 8.5 to 11 percent range.

The real discount rates estimated in this report are in rough accord with the earlier findings. Given the underlying dispersion, the respective distributions at any YOS overlap considerably across the studies. In general, our estimates are closest to those found in previous DoD surveys. With regard to the Gilman and Cylke et al. findings, our average estimated discount rates tend to be somewhat lower for younger persons.

The distribution of discount rates estimated from our analysis exhibits less dispersion than what exists for unobserved discount rates. This is due to omitted variables in the model and the absence of a stochastic term in the imputations. Variation in the imputed values is constrained by the

^{18/} Because the non-profit institutional population differs from the military population, these results cannot be extrapolated to the latter.

^{19/} These statistics are reported in Gilman (1976), Table 1. From the statistics, we cannot tell whether or not the discount rates are net of inflation.

estimated coefficients and by variation in personal characteristics included in the statistical model. Hence, our imputations display a common pattern known as "regression to the mean". This phenomenon is not a problem for the ACOL model. On the contrary, ACOL requires average values that differ across a limited number of military subgroups.

The underlying range of unobserved discount rates could be approximated. This calculation would use (1) the mean estimated discount rate, and (2) the estimated standard deviation reported in Section 4. Assuming a normal distribution, we know that a 90 percent confidence interval can be constructed according to:

$$90\% \text{ Interval} = \text{Mean} \pm 2 \text{ (standard deviation).}$$

Applying this formula yields the following range of unobserved discount rates in which 90 percent of the two populations lie:

- Officer: 0% to 22.42%
- Enlisted: 0% to 27.42%

The expanded range of unobserved discount rates reflects the joint effect of variation in observed personal characteristics, variables not included in the model, and a random element. The distribution of estimated discount rates presented in Figure 1 and Table 4, however, do not reflect the influence of omitted variables and random terms. In a sense, the inherent randomness in the population tends to be offsetting. For models such as ACOL, the resulting central tendencies are exactly what is required for analyses of alternative compensation systems.

VI. IMPLICATIONS FOR THE ACOL MODEL

A key parameter in the ACOL model is the assumed discount rate used to calculate annualized present values of deferred compensation. Despite the recognized importance of the discount rate in ACOL, there is little empirical evidence of the most appropriate value to use. Furthermore, previous studies of personal discount rates are of limited value because they focused on either a small subset of the military population (Clyke et al, 1982) or a civilian-based sample (Gilman, 1976). The following discusses how the analysis findings can be used to supply the information requirements of the ACOL model.

6.1 Implications for the ACOL Model

Section 5 produced estimates of the size and distribution of discount rates among individuals in the military population. While revealing, these results cannot be used directly by the ACOL Model. This is because the ACOL model operates on groups of military personnel rather than on individual observations. For example, the current version of ACOL is designed for 120 enlisted groups: 30 annual YOS categories for each of the 4 Services. Within each group, individual variation is suppressed; group means are used in the ACOL model.

To apply the discount rate estimates to the ACOL model, we must first create a group-based data set from the DoD Survey. This is done by defining relevant military groups consistent with the ACOL data base. Subsequently, average discount rates are calculated for each group. This is done for the following:

- 104 Officer Groups: 4 Services x 26 annual YOS categories (years of service beyond 25 are combined).

- 208 Enlisted Groups: 4 Services x 26 annual YOS categories x 2 occupational categories (technical and nontechnical specialties; see fn.15).

Additional or different kinds of groups could be created from the DoD Survey. The individual-based data permits great flexibility in this regard. For example, an expanded breakdown of occupational specialties could be used to define new military groups. The principal limitation to this strategy is imposed by the size of the DoD sample.

After constructing a group-based data file, mean discount rates are calculated for each group. Intergroup differences in the average discount rates arise from two sources: (1) cross-group variation due to the effects of Service, YOS, and occupational status, and (2) cross-group variation in suppressed personal characteristics that are related to discount rates (e.g., education, race, sex, liquid assets, family status). Because personal attributes may be correlated with group characteristics, it is possible that discount rates may now exhibit greater variation by Service and YOS than in the individual-based analysis that controlled for personal factors.

Average real discount rates for each of the 104 officer and 208 enlisted groups are contained in Tables 6 through 8 along with their respective standard deviations: ^{20/}

- Table 6 - Officer discount rates by Service and YOS.
- Table 7 - Enlisted discount rates by Service and YOS (technical occupations).
- Table 8 - Enlisted discount rates by Service and YOS (nontechnical occupations).

^{20/}

A group's standard deviation measures the within-group variation in discount rates among individuals composing the group.

TABLE 6

DISCOUNT RATES BY YEAR OF SERVICE, OFFICERS
(Group Means and Standard Deviations)

| YOS | Army | | Navy | | Marine Corps | | Air Force | |
|-----|--------|-------|--------|-------|--------------|-------|-----------|------|
| | MEAN | STD | MEAN | STD | MEAN | STD | MEAN | STD |
| 1 | 11.647 | 1.035 | 11.080 | 0.908 | 11.718 | 1.083 | 11.198 | 0.79 |
| 2 | 11.645 | 1.047 | 11.217 | 0.972 | 11.871 | 1.119 | 11.566 | 1.09 |
| 3 | 11.612 | 1.101 | 11.151 | 0.966 | 11.803 | 1.079 | 11.472 | 1.08 |
| 4 | 11.304 | 1.201 | 10.859 | 0.928 | 11.851 | 0.972 | 11.313 | 1.03 |
| 5 | 10.690 | 1.081 | 10.703 | 0.895 | 11.494 | 0.991 | 11.284 | 0.90 |
| 6 | 10.522 | 0.888 | 10.491 | 0.860 | 11.197 | 0.898 | 11.179 | 0.88 |
| 7 | 10.517 | 0.917 | 10.248 | 0.858 | 10.982 | 0.866 | 11.001 | 0.81 |
| 8 | 10.340 | 0.826 | 10.285 | 0.834 | 10.636 | 0.654 | 10.660 | 0.80 |
| 9 | 10.266 | 0.751 | 9.994 | 0.724 | 10.956 | 0.790 | 10.544 | 0.73 |
| 10 | 10.204 | 0.904 | 9.841 | 0.706 | 10.569 | 0.715 | 10.494 | 0.66 |
| 11 | 9.912 | 0.786 | 9.805 | 0.824 | 10.698 | 0.749 | 10.364 | 0.64 |
| 12 | 9.885 | 0.593 | 9.578 | 0.610 | 10.525 | 0.609 | 10.439 | 0.74 |
| 13 | 9.927 | 0.636 | 9.596 | 0.743 | 10.547 | 0.730 | 10.235 | 0.62 |
| 14 | 9.797 | 0.632 | 9.516 | 0.501 | 10.276 | 0.590 | 10.164 | 0.65 |
| 15 | 9.968 | 0.733 | 9.551 | 0.666 | 10.319 | 0.530 | 10.132 | 0.57 |
| 16 | 9.759 | 0.626 | 9.421 | 0.535 | 10.392 | 0.790 | 10.073 | 0.58 |
| 17 | 9.856 | 0.663 | 9.330 | 0.571 | 10.389 | 0.841 | 10.043 | 0.63 |
| 18 | 9.771 | 0.685 | 9.379 | 0.568 | 10.222 | 0.606 | 9.867 | 0.51 |
| 19 | 9.493 | 0.706 | 9.241 | 0.580 | 10.213 | 0.649 | 9.873 | 0.59 |
| 20 | 9.505 | 0.654 | 9.222 | 0.561 | 10.058 | 0.586 | 9.756 | 0.59 |
| 21 | 9.257 | 0.633 | 8.869 | 0.496 | 9.947 | 0.601 | 9.512 | 0.48 |
| 22 | 8.989 | 0.532 | 8.857 | 0.499 | 9.709 | 0.615 | 9.551 | 0.80 |
| 23 | 9.138 | 0.602 | 8.772 | 0.546 | 9.579 | 0.510 | 9.277 | 0.59 |
| 24 | 8.836 | 0.521 | 8.700 | 0.588 | 9.485 | 0.563 | 9.126 | 0.45 |
| 25 | 8.689 | 0.458 | 8.583 | 0.525 | 9.599 | 0.693 | 9.199 | 0.51 |
| 26+ | 8.383 | 0.534 | 8.045 | 0.620 | 8.953 | 0.518 | 8.744 | 0.45 |

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TABLE 7

DISCOUNT RATES BY YEAR OF SERVICE
ENLISTED PERSONNEL, TECHNICAL OCCUPATIONS
(Group Means and Standard Deviations)

| OS | Army | | Navy | | Marine Corps | | Air Force | |
|-----|--------|-------|--------|-------|--------------|-------|-----------|-------|
| | MEAN | STD | MEAN | STD | MEAN | STD | MEAN | STD |
| 1 | 13.500 | 1.536 | 12.802 | 1.192 | 12.855 | 1.311 | 11.979 | 1.201 |
| 2 | 14.096 | 1.244 | 12.851 | 1.398 | 13.086 | 1.151 | 12.687 | 1.161 |
| 3 | 14.066 | 1.194 | 12.820 | 1.245 | 12.990 | 1.125 | 12.945 | 1.301 |
| 4 | 13.392 | 1.334 | 12.571 | 1.035 | 12.562 | 1.104 | 12.618 | 1.180 |
| 5 | 13.357 | 1.285 | 12.278 | 1.247 | 12.080 | 1.391 | 12.069 | 1.256 |
| 6 | 12.738 | 1.535 | 12.038 | 1.068 | 11.808 | 1.190 | 12.200 | 1.236 |
| 7 | 12.717 | 1.235 | 11.948 | 1.363 | 11.606 | 1.377 | 11.953 | 1.336 |
| 8 | 12.343 | 1.230 | 11.471 | 1.247 | 11.434 | 1.340 | 11.904 | 1.311 |
| 9 | 11.939 | 1.153 | 11.270 | 1.187 | 11.263 | 1.194 | 11.445 | 1.171 |
| 10 | 11.839 | 1.183 | 11.011 | 1.084 | 11.069 | 1.187 | 11.489 | 1.105 |
| 11 | 11.871 | 1.156 | 10.582 | 0.820 | 10.651 | 0.991 | 11.129 | 1.025 |
| 12 | 11.670 | 0.971 | 10.393 | 0.937 | 10.754 | 1.088 | 11.037 | 0.898 |
| 13 | 11.634 | 1.075 | 10.587 | 1.034 | 10.736 | 1.048 | 10.967 | 0.836 |
| 14 | 11.354 | 0.916 | 10.434 | 1.021 | 10.583 | 0.920 | 10.932 | 0.891 |
| 15 | 11.315 | 0.862 | 10.465 | 0.921 | 10.580 | 0.888 | 10.761 | 0.762 |
| 16 | 11.499 | 0.867 | 10.491 | 0.925 | 10.328 | 0.945 | 10.879 | 0.963 |
| 17 | 11.266 | 0.850 | 10.443 | 0.861 | 10.497 | 0.831 | 10.910 | 0.886 |
| 18 | 11.317 | 0.876 | 10.348 | 0.980 | 10.599 | 0.910 | 10.995 | 0.907 |
| 19 | 11.347 | 0.923 | 10.235 | 0.725 | 10.444 | 0.859 | 10.926 | 0.932 |
| 20 | 11.338 | 0.910 | 10.158 | 0.837 | 10.436 | 0.941 | 10.596 | 0.643 |
| 21 | 11.053 | 0.996 | 9.949 | 0.734 | 9.845 | 0.807 | 10.310 | 0.629 |
| 22 | 10.752 | 0.795 | 9.775 | 0.830 | 9.832 | 0.881 | 10.448 | 0.931 |
| 23 | 10.743 | 0.968 | 9.803 | 0.725 | 9.608 | 1.001 | 10.025 | 0.625 |
| 24 | 10.254 | 0.652 | 9.850 | 1.056 | 9.708 | 0.731 | 9.902 | 0.637 |
| 25 | 10.128 | 0.653 | 9.446 | 0.688 | 9.393 | 0.521 | 9.880 | 0.864 |
| 26+ | 10.439 | 0.950 | 9.010 | 0.860 | 9.242 | 0.838 | 9.514 | 0.631 |

TABLE 8

DISCOUNT RATES BY YEAR OF SERVICE
ENLISTED PERSONNEL, NON-TECHNICAL OCCUPATIONS
(Group Means and Standard Deviations)

| YOS | Army | | Navy | | Marine Corps | | Air Force | |
|-----|--------|-------|--------|-------|--------------|-------|-----------|-------|
| | MEAN | STD | MEAN | STD | MEAN | STD | MEAN | STD |
| 1 | 14.714 | 1.270 | 13.512 | 1.511 | 13.648 | 1.371 | 14.212 | 1.334 |
| 2 | 14.747 | 1.361 | 13.793 | 1.408 | 13.837 | 1.381 | 13.392 | 1.303 |
| 3 | 14.648 | 1.272 | 13.783 | 1.269 | 13.746 | 1.209 | 13.415 | 1.143 |
| 4 | 14.310 | 1.402 | 13.436 | 1.191 | 13.718 | 1.178 | 13.187 | 1.362 |
| 5 | 13.705 | 1.632 | 13.322 | 1.253 | 12.868 | 1.560 | 12.535 | 1.509 |
| 6 | 13.746 | 1.422 | 12.490 | 1.363 | 12.810 | 1.403 | 12.740 | 1.211 |
| 7 | 13.360 | 1.311 | 12.563 | 1.385 | 12.518 | 1.316 | 12.816 | 1.472 |
| 8 | 12.893 | 1.376 | 12.227 | 1.322 | 12.427 | 1.398 | 12.573 | 1.352 |
| 9 | 12.771 | 1.357 | 12.114 | 1.406 | 11.681 | 1.249 | 11.687 | 1.018 |
| 10 | 12.782 | 1.183 | 11.850 | 1.204 | 11.602 | 1.046 | 11.705 | 0.981 |
| 11 | 12.363 | 1.171 | 11.502 | 0.938 | 11.473 | 1.134 | 11.818 | 1.029 |
| 12 | 12.362 | 1.175 | 11.218 | 0.920 | 11.415 | 0.884 | 11.671 | 0.883 |
| 13 | 12.287 | 1.110 | 11.091 | 1.035 | 11.687 | 1.296 | 11.551 | 1.070 |
| 14 | 12.372 | 1.096 | 11.390 | 1.080 | 11.742 | 1.054 | 11.558 | 1.231 |
| 15 | 12.357 | 0.945 | 11.386 | 1.016 | 11.004 | 0.947 | 11.438 | 0.683 |
| 16 | 12.470 | 0.985 | 11.388 | 0.783 | 11.160 | 0.852 | 11.768 | 1.149 |
| 17 | 12.255 | 0.795 | 11.062 | 0.997 | 11.256 | 0.991 | 11.673 | 0.744 |
| 18 | 12.359 | 0.866 | 11.340 | 0.958 | 11.252 | 1.001 | 11.574 | 1.025 |
| 19 | 12.073 | 0.852 | 11.230 | 1.039 | 11.449 | 1.335 | 11.408 | 0.634 |
| 20 | 12.328 | 0.967 | 10.911 | 0.921 | 11.291 | 1.035 | 11.424 | 1.024 |
| 21 | 12.081 | 0.901 | 10.677 | 1.640 | 10.604 | 1.263 | 10.614 | 0.312 |
| 22 | 11.475 | 0.894 | 10.519 | 0.862 | 11.047 | 0.901 | 10.828 | 0.691 |
| 23 | 11.225 | 0.734 | 10.309 | 0.929 | 11.411 | 1.234 | 10.844 | 0.853 |
| 24 | 12.365 | 2.336 | 10.032 | 1.186 | 11.162 | 1.355 | 10.700 | 1.504 |
| 25 | 11.035 | 1.008 | 10.479 | 0.842 | 9.374 | 0.318 | 10.140 | 0.289 |
| 26+ | 11.592 | 1.138 | 9.595 | 0.682 | 9.985 | 0.804 | 10.280 | 0.698 |

An examination of the results in Tables 6 through 8 reveals a negative trend in discount rates by YOS and systematic differences across Services and technical-nontechnical enlisted groups. Furthermore, within-group discount rate variation, measured by the standard deviations, tends to decline as YOS increases. The latter implies that the military force becomes more homogeneous with greater years of service. Both an aging and a selectivity effect may explain this phenomenon.

The relationship between group discount rates and group characteristics can be quantified. By applying weighted-least-squares regression to the grouped data, the key relationships are highlighted in a compact fashion.^{21/} Table 9 presents the regression results. All coefficients are highly significant.

The group-based regression results are useful as a guide to interpreting the discount rates contained in Tables 6, 7, and 8. In brief, the estimated coefficients reveal that among the 104 officer and 208 enlisted groups:

- Enlisted personnel have higher discount rates, on average, than officers;
- Discount rates decline with YOS -- linearly for officers and curvilinearly for enlisted personnel;
- Enlisted personnel in technical occupations have lower discount rates than those in nontechnical skill areas;

^{21/} The grouped observations are weighted by the square-root of their respective group sizes in order to correct for heteroskedasticity. The resulting estimates are consistent and efficient. Note that the squared YOS variable is used to capture any nonlinear trends in discount rates with respect to YOS.

TABLE 9

DETERMINANTS OF GROUP DISCOUNT RATES
(t-ratios in parentheses)

| Variable | Officer | Enlisted |
|----------------------|---------------|---------------|
| Constant Term | 11.64(173.12) | 15.30(239.31) |
| YOS | - .14(13.38) | - .30(26.15) |
| YOS-Squared | .001(2.58) | .006(13.02) |
| Navy | - .33(6.02) | - .96(19.92) |
| Marine Corps | .48(8.58) | - .94(18.40) |
| Air Force | .26(4.68) | - .79(15.09) |
| Technical Occupation | | - .78(20.93) |
| Group Size | 104 | 208 |
| R-Squared | .9997 | .9996 |

- Discount rates exhibit significant differences across Services (Army is the omitted variable, i.e., the reference group).

-- Marine officers have the highest discount rates at .48 percentage points higher than comparable Army officers; Navy officers have, on average, the lowest rates.

-- Army enlisted personnel have discount rates almost 1 percentage point higher than those in the other Services; the latter are clustered together.

The estimated regression equation can be used to calculate average discount rates for each military group. Referring to the officer equation in Table 9 the constant term is the discount rate for Army officers with zero years of service. To compute discount rates for Army officers for a given YOS, simply insert a YOS value in the equation, multiply by the respective coefficients on YOS and YOS-squared, and combine the products with the constant term. The corresponding rates for the other Services are found in the same way, plus the respective Service coefficients. The latter reflect, for a given YOS, the Service differences in discount rates vis-a-vis the Army. For enlisted personnel, an analogous procedure is followed to calculate mean discount rates. The constant term in the enlisted equation refers to nontechnical Army enlisted personnel with zero years of service.

The regression equations explain virtually all of the cross-group variation in discount rates, as reflected in the high R-squares. This implies that the estimated equations can be used in place of Tables 6 to 8 to compute group discount rates. Such a procedure offers a simple way to calculate discount rates to insert into the ACOL model.

This approach is employed to create several graphs that display the relationships between discount rates and Service, YOS, and officer versus enlisted personnel. These results, based on the estimated coefficients in Table 9, are presented in Figures 2 through 7:

- Figure 2 - Officer discount rates, by Service
- Figure 3 - Enlisted discount rates, by Service (nontechnical occupations)
- Figures 4 to 7 - Service discount rates, by officer and nontechnical enlisted (90% intervals).

Figures 2 through 7 also contain the current ACOL discount rate assumptions for enlisted personnel (an officer-ACOL model does not exist):

- 20 percent for YOS 1 through 5
- 15 percent for YOS 6 through 10
- 10 percent for YOS greater than 10.

Figure 2 displays the relationship between officer discount rates and YOS by Service. Figure 3 presents the same information for enlisted personnel in nontechnical occupations. ^{22/} An examination of the two figures yields the following observations:

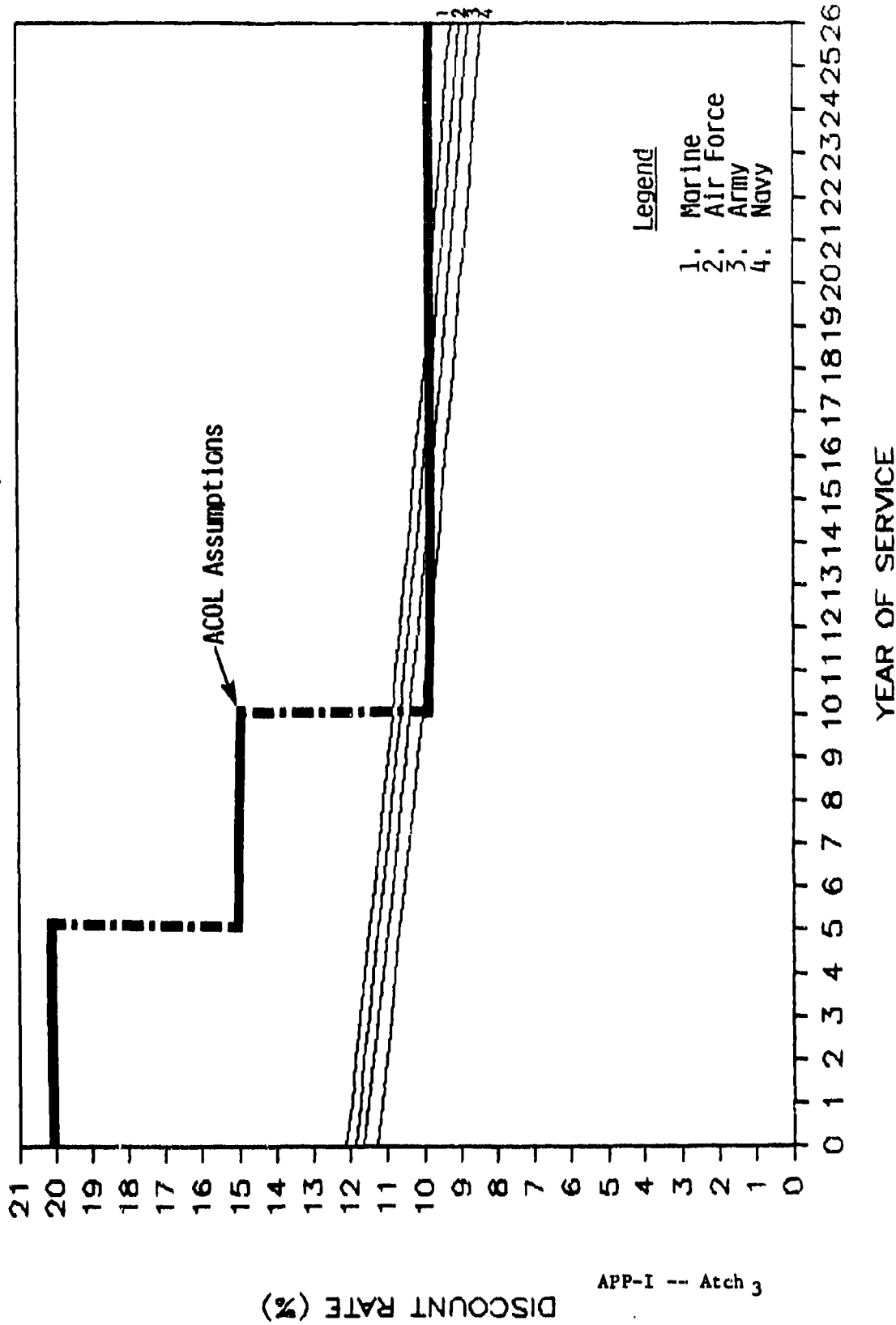
- ACOL discount rate assumptions for enlisted personnel lie above and below our estimates. ACOL rates are higher for YOS < 10, and lower for YOS > 10. ACOL discount rates shift dramatically at YOS 5 and 10 rather than change gradually over time.
- Discount rates, at each YOS, are clustered within a 1 percentage point spread across Services. This holds for both officers and enlisted personnel.
- Marine officers have the highest discount rates and Navy officers have the lowest, on average.
- Army enlisted have the highest discount rates, while those in the other Services lie close together across years of Service.
- Officer discount rates exhibit a downward trend across YOS that is virtually linear.

22/

Note that discount rates for technical enlisted groups are .78 percentage points lower than for nontechnical groups at every YOS. The two occupational groups differ only by a constant.

FIGURE 2

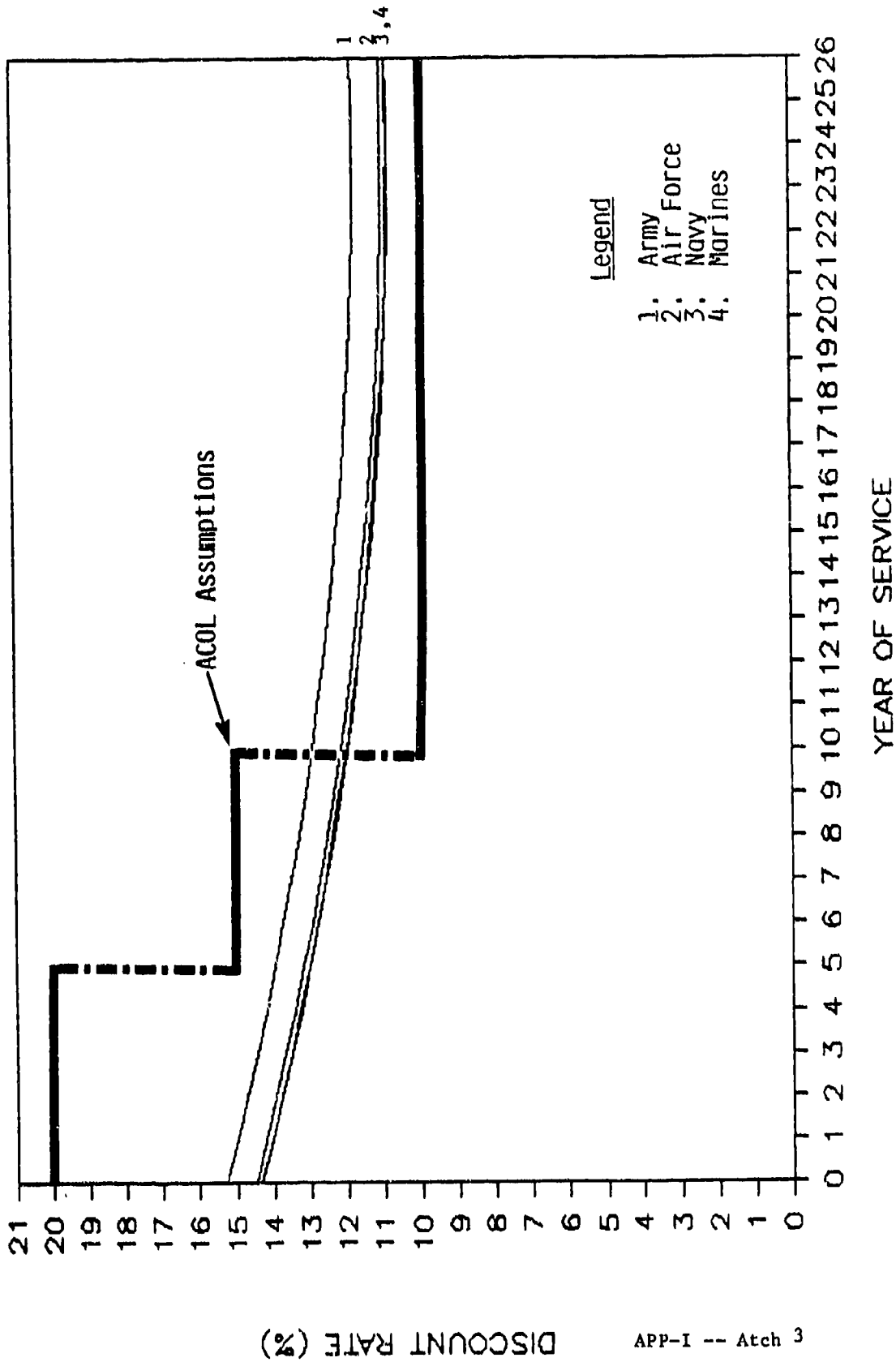
OFFICER DISCOUNT RATES, BY SERVICE



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FIGURE 3

NONTECH ENLISTED DISCOUNT RATES



DISCOUNT RATE (%)

APP-I -- Atch 3

- Enlisted discount rates decline with YOS in a curvilinear pattern. The fall is relatively steep during the first 10 years and then flatten out after about 20 years of service.
- ACOL enlisted discount rates are generally much higher than these estimates for officers at YOS < 10, but are close for YOS > 10.

Figures 4 through 7 present discount rates for each of the four Services. Both officer and enlisted personnel discount rates for each Service are contained in the figures. These four figures differ from the earlier two in that they indicate the dispersion in estimated discount rates at each YOS. Specifically, 90 percent confidence intervals are constructed for every YOS group.^{23/} These intervals encompass 90 percent of all individuals within a given YOS.

Inferences drawn from the figures include:

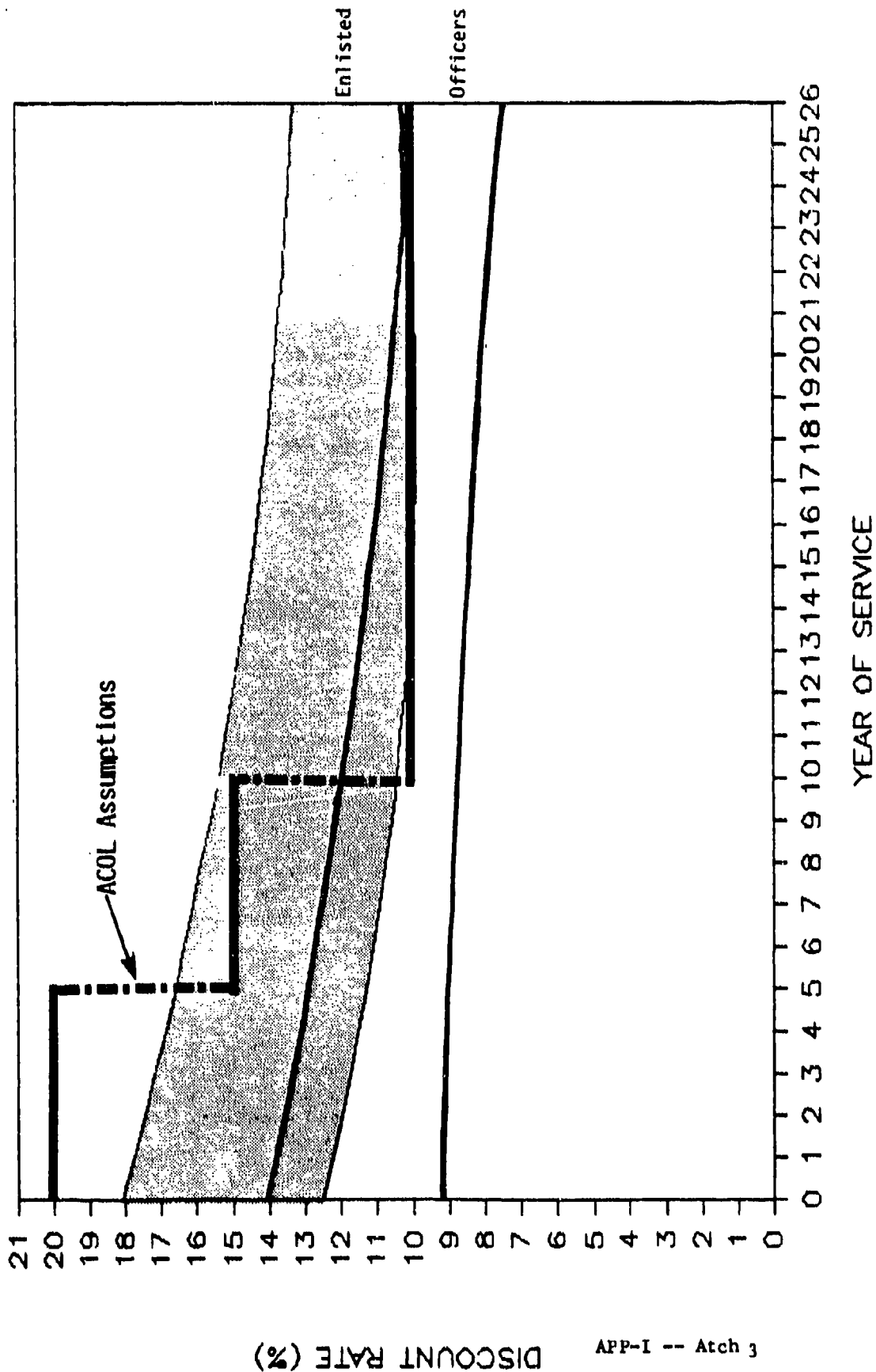
- Within each YOS group, there is greater variation in personal discount rates among enlisted than officers. On average, the 90 percent interval is about 5.6 percentage points for enlisted and 4.8 points for officers.
- Dispersion in discount rates declines with YOS; the rate of compression is greater for enlisted than officers.
- There is overlap between the enlisted and officer distributions.
- ACOL enlisted discount rates of 20 percent for YOS < 5 lie above the upper bound of the 90 percent interval. The ACOL assumption of 10 percent for YOS 6 to 10 lies within the interval while the 10 percent assumption for YOS > 10 lies just below the lower bound.

^{23/}

Assuming a normal distribution, a 90 percent confidence interval = group mean + 2* (standard deviation). Group standard deviations from Tables 4-7 were regressed on the same variables as noted in Table 8. The R-square exceeded .95. The estimated coefficients were used to construct the 90 percent intervals shown in Figures 4-7.

FIGURE 4

ARMY DISCOUNT RATES: 90% INTERVALS

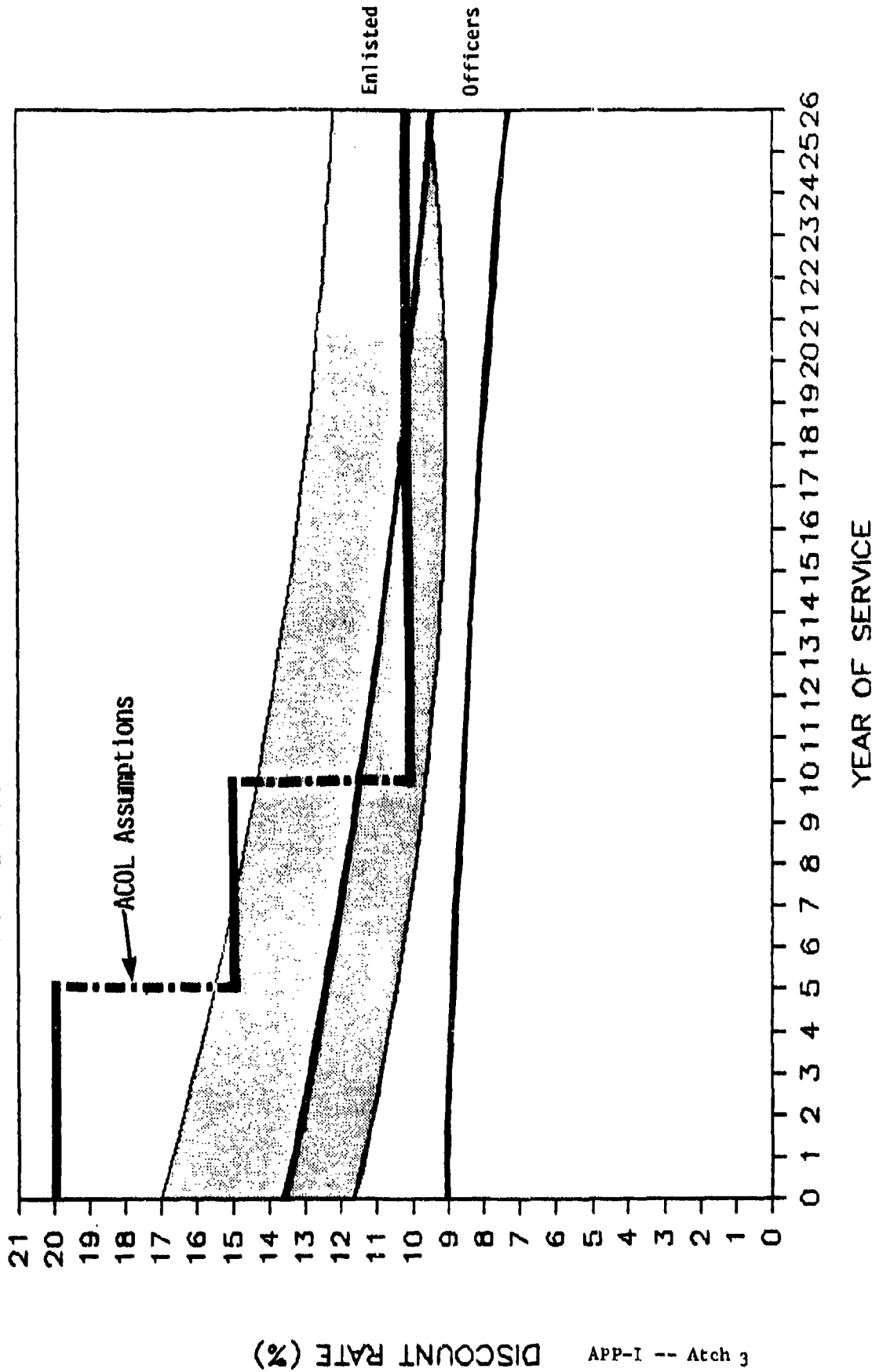


DISCOUNT RATE (%)

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FIGURE 5

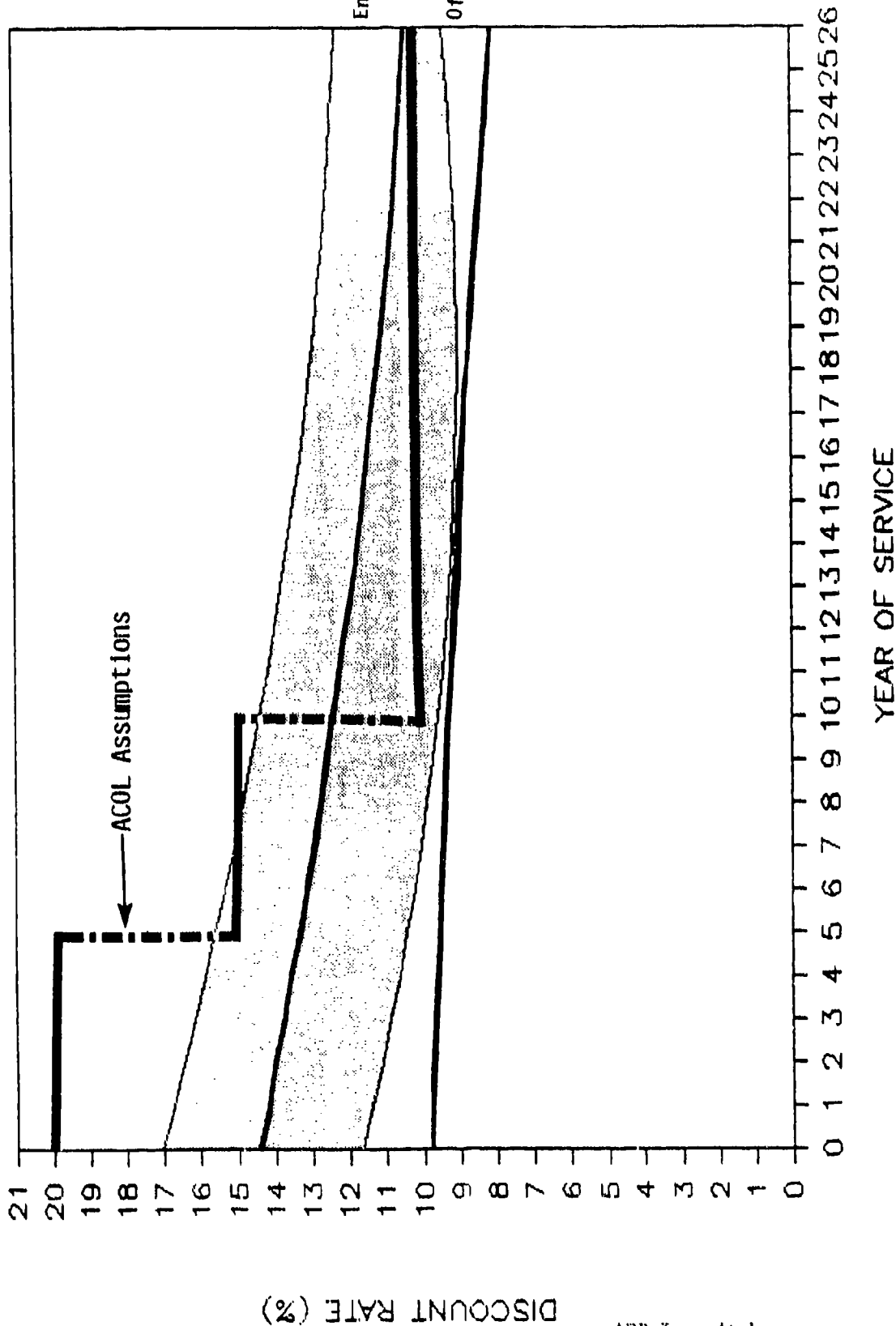
NAVY DISCOUNT RATES: 90% INTERVALS



DISCOUNT RATE (%) APP-I -- Atch 3

FIGURE 6

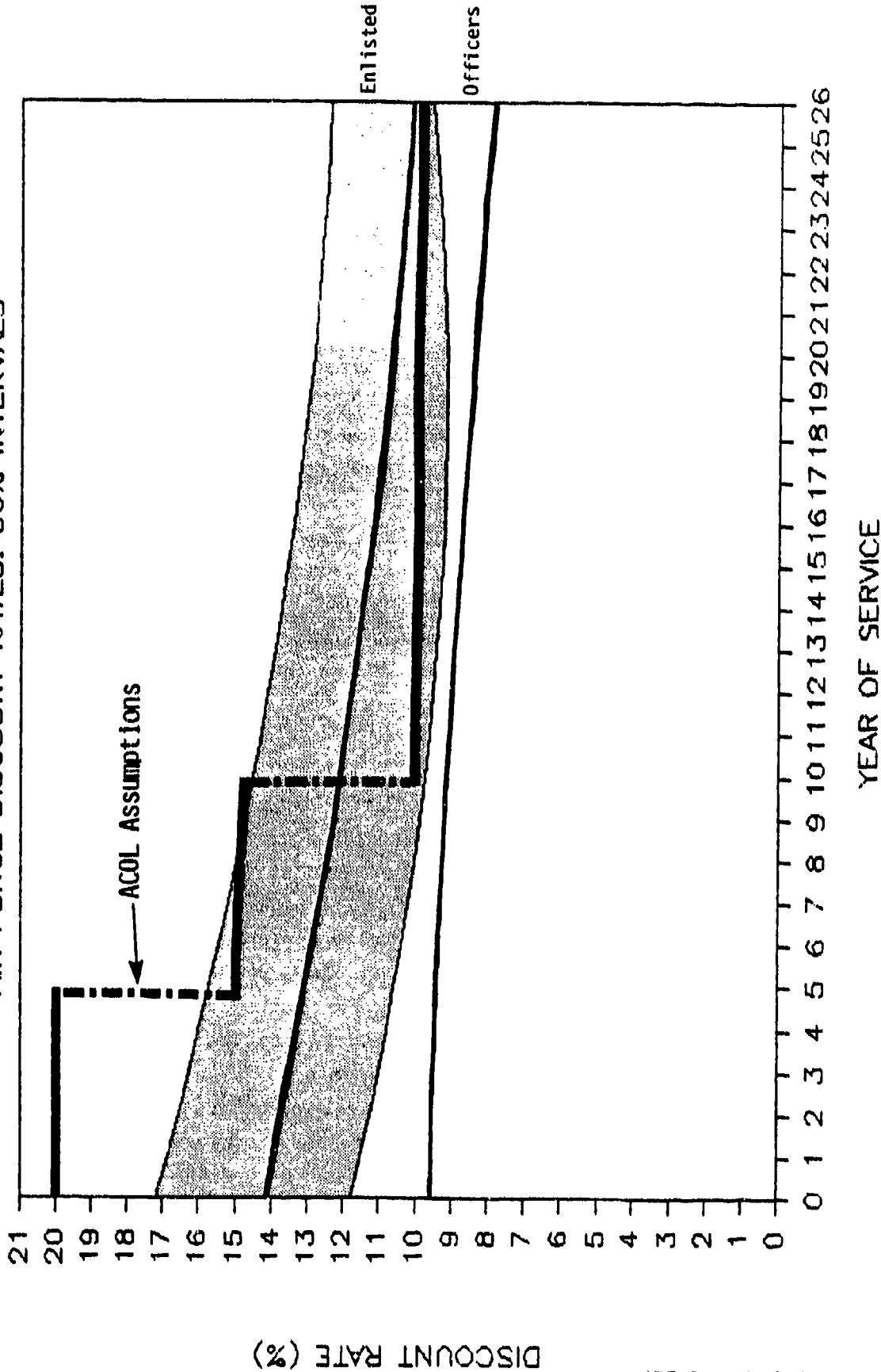
MARINE DISCOUNT RATES: 90% INTERVALS



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FIGURE 7

AIR FORCE DISCOUNT RATES: 90% INTERVALS



DISCOUNT RATE (%)

Superimposing the ACOL discount rates on our results reveals several important differences. First, the ACOL assumptions are too extreme. They appear to be too high for less than 10 years of service and too low for more than 10 years of service. Second, the ACOL rates are discontinuous; they do not decline steadily with YOS. Third, the ACOL rates are constant across Services and enlisted occupational specialties. We find that discount rates vary significantly across these groups.

The implications of using our group-based discount rate estimates in place of the ACOL assumptions are clear. In the case of younger personnel (YOS < 10), changes in deferred compensation will have larger retention effects than the ACOL model currently predicts. Hence, the present retirement system has a longer and stronger pull on these individuals than implied by present assumptions. Second, discount rates vary across military groups. This introduces a new source of variation in predicted retention effects stemming from group differences with respect to discount rates. Incorporating the estimated discount rates into ACOL should improve the model's ability to generate more accurate predictions of how changes in deferred compensation will affect retention.

6.2 Conclusions

The concept of a personal discount rate is intuitively appealing and easy to grasp. However, measurement difficulties have stymied analysis of the size and distribution of personal discount rates. Despite these obstacles, discount rates play an important role in empirical models that predict the labor supply repercussions of alternative forms of deferred compensation.

To gain insight into this area, the analysis has developed a statistical methodology to generate estimates of individual discount rates. Specifically, a large micro data base, covering officers and enlisted personnel, was used to estimate the parameters of the model.

An attractive feature of the analysis is that it is based on a sample that is representative of the entire military population. The rich personal data permitted investigation of a number of sources of potential variation in discount rates. The application of appropriate statistical tools enabled us to generate estimates that not only made common sense and agreed with theory, but produced estimates that were corroborated by other studies using different techniques and samples.

From the estimated coefficients, we were able to impute discount rates to individuals. This newly constructed data file was then used to create a group-based data file comparable to that used by the ACOL. The computed discount rates for each group provide the necessary data to meet the information requirements of ACOL. Finally, regression analysis of the grouped data resulted in an easily interpretable and compact means by which discount rates could be incorporated into the ACOL model. The analysis results provide a firmer empirical basis on which to assign discount rates to various military groups.

The results from the multivariate analysis indicate that military personnel have real discount rates that vary substantially by personal and military-related factors. In particular, the estimated discount rates differ significantly across military groups as defined by Service, YOS, and occupation. Furthermore, the group-based regressions provide a straightforward means of computing more accurate discount rates for the ACOL model. The refinement should result in a more precisely calibrated retention model with which to predict the effects on the Armed Services of alternative compensation policies.

APPENDIX A

CONSUMER TIME ALLOCATION PROBLEM

The relationship between the market interest rate and individual time preferences can be examined with the economic theory of consumer behavior (for example, see Baumol, 1965). The link is best viewed in a perfect capital market -- assume borrowing and lending rates are identical and that individuals can borrow or lend without restriction (the latter is the strongest assumption). To derive the relationship, consider a stylized world of two periods, a single composite index of consumption goods (C), and a single price index (P). Individuals are assumed to derive utility or satisfaction from consumption, although the extra or marginal utility obtained from another unit of C will decline as the level of consumption increases. Recall that individuals prefer current over future income because of the psychic benefits and investment returns available from current income that would be foregone if income were deferred.

An individual attempting to maximize his lifetime (discounted) utility will adjust the level of consumption in each period by borrowing or lending. Equilibrium occurs when the ratio of the marginal utilities (MU) associated with consumption in each period is equal to the ratio of their respective prices:

$$\frac{MU_t}{MU_{t+1}} = \frac{P_t}{P_{t+1}} \quad (a)$$

Note that P dollars spent in period t constitute a greater outlay than P dollars spent in period t+1. This is because deferred spending will earn "r" dollars in interest, where r is the percentage rate of return. Hence, P

dollars spent now are as costly an expenditure as $P(1+r)$ dollars spent next period. Assuming that nominal prices remain constant, equilibrium condition (a) can be amended to:

$$\frac{MU_t}{MU_{t+1}} = \frac{P_t}{P_{t+1}} = \frac{(1+r) P_{t+1}}{P_{t+1}} = (1+r). \quad (b)$$

Expression (b) demonstrates that, in equilibrium, the marginal utility of current consumption will exceed that of consumption in the following period in a ratio given by $(1+r)$. This has several implications for the temporal allocation of income. First, the marginal utility of consumption is believed to decline with the level of spending. For example, a lower-income person should value an extra \$1.00 of current consumption more than a higher-income person. This suggests that the first individual would be less willing to forego current consumption because the ratio of marginal utilities is likely to be higher than $(1+r)$ as determined by market interest rates.

Second, an individual facing a rising income-age profile will have a ratio of marginal utilities in excess of $(1+r)$. An optimal plan would be to borrow against future income to supplement current consumptions. Borrowing would continue until the equilibrium condition was satisfied for each period. A common finding in the empirical literature is that earnings tend to rise with age, reaching a peak in real terms in the mid-40s. If consumption requirements exhibit less change over time, then we would expect younger persons to be net borrowers and older persons to be net savers.

A complication arises when allowance is made for imperfect capital markets. In general, lending rates (interest earned on savings) are less than borrowing rates. This suggests that two sets of interest rates must be used in expression (b), depending on whether or not a borrowing or saving decision is being considered. Most individuals are not able to borrow against future earnings and many are denied access to consumer loans. Furthermore, there are limits to how much can be borrowed. These imperfections drive a wedge between the prevailing market interest rate and the ratio of marginal utilities. This thwarting of desired intertemporal income and consumption allocations for some people results in personal discount rates in excess of market interest rates.

APPENDIX B

DERIVATION OF REAL RATES OF RETURN IMPLIED BY THE RETIREMENT PAYOUT OPTIONS

The DoD Survey, Form 1 (enlisted) and Form 3 (officer), asks respondents to choose among six alternative retirement benefit payout plans. The question for each sample poses a hypothetical situation: retirement with 20 years of service at an E-7 (enlisted) or O-5 (officer) paygrade. The alternative benefit schedules range from a lump sum payment at retirement to various annuities, including a lifetime annual payment. Respondents were told that future benefits would be adjusted for inflation and taxed in the same way as the current retirement system. The features of the alternative schedules are contained in Table 3.

Each of the annuities has an implied real rate of return relative to the lump sum amount. The implied rate of return to a payout option is found by solving for the rate that equates the present value of the annuity stream to the lump sum payment. Two assumptions are made: (1) future benefits increase at the same rate as inflation, and (2) annual retirement benefits commence one year following retirement. The general solution is specified for the lifetime annuity option; the shorter-term annuities are special cases as the following makes clear.

The problem, then, is to solve for the rate of return that equates the following:

After-Tax Lump Sum Payment = PV (After-Tax Lifetime Annuity).

This implies

$$Y_0(1-y) = \sum_{t=1}^T X_0(1-x)e^{-(r^*-1)t} + \sum_{n=T+1}^N X_0e^{-(r^*-1)n} \quad (a)$$

$$= \sum_{t=1}^T X_0(1-x)e^{-rt} + \sum_{n=T+1}^N X_0e^{-rn}$$

where the following definitions hold throughout:

- Y_0 : lump sum payment at retirement
- X_0 : lifetime annuity value at retirement
- y : average marginal tax rate on lump sum
- x : average marginal tax rate on annuity
- T : remaining post-service worklife
- N : remaining post-service lifetime
- t, n : measures of time in years
- i : rate of inflation
- r^* : nominal rate of return
- r : real rate of return = (r^*-i) .

Referring to equation (a), the left-side term represents the after-tax value of the lump sum payment at retirement. The right-side of the equation represents the present value of the lifetime annuity. Several observations should be made. First, the initial annuity payment, X_0 , is increased each year to keep up with inflation. At the end of year t , the nominal benefit equals:

$$X_0e^{it}.$$

Second, because future benefits are not valued as highly as current benefits, the nominal benefits must be deflated by r^* according to:

$$X_0 e^{-rt^*}.$$

Combining the effects of inflation and discounting yields the present value of the annuity at the end of year t :

$$X_0 e^{-(r^*-1)t} = X_0 e^{-rt}.$$

Third, retirement benefits are subject to an average marginal tax rate of " x " so that after tax benefits are equal to $X_0(1-x)e^{-rt}$. Fourth, individuals are assumed to work in the civilian sector after leaving the military for T years. Thereafter, they retire from the workforce and live for $N-T$ more years. Fifth, in the latter period, we assume that benefits will not be taxed.

Solving equation (a) for " r " yields a value for the real rate of return. The solution equates the lump sum and lifetime annuity options. The solution is interpreted as the real rate of return that the lump sum amount would have to earn over N years to produce the same present value as that offered by the lifetime annuity. The following manipulations of equation (a) are performed to solve for r :

$$Y_0(1-y) = \sum_{t=1}^T X_0(1-x)e^{-rt} + \sum_{n=T+1}^N X_0 e^{-rn} \quad (a)$$

$$= X_0(1-x) \cdot \left(\sum_{t=1}^T e^{-rt} \right) + X_0 \cdot \left(\sum_{n=T+1}^N e^{-rn} \right).$$

Expansion of the summation term results in

$$\begin{aligned} Y_0(1-y) &= X_0(1-x)(e^{-r} + e^{-2r} + \dots + e^{-Tr}) \\ &\quad + X_0(e^{-Nr} + e^{-(2+N)r} \dots + e^{-Nr}). \end{aligned} \quad (b)$$

The next steps are designed to remove the intervening exponential terms from the parenthetical expressions. Multiply equation (b) by e^{-r} :

$$Y_0(1-y)e^{-r} = X_0(1-x)(e^{-2r} + \dots + e^{-(T+1)r}) + X_0(e^{-(n+1)r} + \dots + e^{-(N+1)r}) \quad (c)$$

Subtracting equation (c) from (b) yields:

$$Y_0(1-y)(1-e^{-r}) = X_0(1-x)(e^{-r} - e^{-(T+1)r}) + X_0(e^{-nr} - e^{-(N+1)r}) \quad (d)$$

Multiply equation (d) by e^r :

$$Y_0(1-y)(e^r - 1) = X_0[(1-x)(1 - e^{-Tr}) + (e^{-Tr} - e^{-Nr})] \quad (e)$$

Dividing equation (e) by $(1-y)(e^r - 1)$ leaves us with:

$$Y_0 = \frac{X_0}{e^r - 1} \left\{ \left(\frac{1-x}{1-y} \right) (1 - e^{-Tr}) + \left(\frac{1}{1-y} \right) (e^{-Tr} - e^{-Nr}) \right\} \quad (f)$$

Equation (f) is the final formula from which r is derived. All terms, except r , are either given or set by assumption. Because r appears in higher-order exponential terms, its solution must be found numerically, or by an iterative procedure. This does not pose a problem because the right-side of equation (f) is a monotonic function of r .

Before calculating the real rate of return, several inferences may be drawn from equation (f). First, if the tax system is proportional, the term, $(1-x)/(1-y)$, becomes unity. Under this condition, the tax system has, for the most part, a neutral effect on the derived r . The tax effect associated with benefits received after permanent retirement will have only a minor effect because they accrue many years in the future.

Second, if the tax system is progressive, then the derived r will be greater than under a proportional system. This is because $(1-x)/(1-y)$ is greater than unity.

The DoD Survey provides values for:

Y_0 : lump sum payment at retirement
 X_0 : annual annuity benefit valued at retirement
 T : term of annuity.

In the case of a lifetime annuity, we assume that individuals will work for 25 years following retirement from the military ($T=25$), and that benefits will be received for another 20 years after finally retiring from the workforce ($N=45$). Tax rate assumptions are based on the tax tables contained in the 1978 IRS Federal Income Tax Forms.

In the case of the 2 to 20-year annuities, we set $N=T$. This removes the effect of receiving benefits after the age of 65, which is represented by the right-most terms in equation (f).

In the following table, we present the calculated rates of return associated with each retirement payout option. The table includes information on the benefit amount, length of annuity, average marginal tax rates applied against each benefit, and the calculated rates of return.

CALCULATED REAL RATES OF RETURN: OFFICER

| Schedule | Amount | Tax Rate | Rate of Return |
|------------------|----------|----------|----------------|
| Lifetime Annuity | \$12,630 | .40 | .134 |
| 20 Years | 14,200 | .41 | .139 |
| 10 Years | 19,670 | .43 | .154 |
| 5 Years | 31,890 | .46 | .173 |
| 2 Years | 69,650 | .52 | .159 |
| Lump Sum Payment | 120,870 | .56 | -- |

CALCULATED REAL RATES OF RETURN: ENLISTED

| Schedule | Amount | Tax Rate | Rate of Return |
|------------------|----------|----------|----------------|
| Lifetime Annuity | \$ 5,800 | .168 | .134 |
| 20 Years | 6,600 | .189 | .144 |
| 10 Years | 9,140 | .197 | .168 |
| 5 Years | 14,810 | .222 | .203 |
| 2 Years | 32,350 | .320 | .202 |
| Lump Sum Payment | 56,150 | .418 | -- |

The calculated rates of return are sensitive to the tax rates. If a proportional tax system were assumed, the calculated real rate of return would be 9.53 percent - for all payout options and for both officers and enlisted personnel. We believe, however, that it is more realistic to assume that individuals perceive a progressive tax system.

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APPENDIX I, ATTACHMENT 4

ACOL USER'S GUIDE

The Acol User's Guide was not completed in time for this printing. It will be distributed separately when it is available.

DETERMINANTS OF MILITARY RETENTION:

OFFICER AND ENLISTED PERSONNEL

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January 1984

Study Prepared for:
Fifth Quadrennial Review of Military Compensation

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The views, opinions, and findings contained in this report are those of the authors and should not be construed as an official Department of Defense position, policy, or decision, unless so designated by other official documentation.

APP-I -- Atch 5

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1. INTRODUCTION

This report examines the determinants of retention among officers and enlisted personnel in the U.S. Armed Forces. The study, commissioned by the Fifth Quadrennial Review of Military Compensation, provides empirical support for analyzing the links between compensation and force structure. In addition to this specific objective, the report provides new insights into the nonmonetary correlates of retention.

The size and shape of the Armed Forces reflect a dynamic interplay between individuals' supply decisions and Services' demand requirements with respect to skills and end-strength. Effective force management hinges on the ability of compensation and personnel policies to equilibrate supply and demand over time. In turn, this requires a clear understanding of the pecuniary and nonpecuniary determinants of labor supply:

- o Compensation Policy. Evaluating military compensation requires accurate estimates of the relationship between pay and benefits and military retention. Analytical models used to generate such predictions need closer scrutiny and stronger empirical confirmation.
- o Force Management. Compensation is a key management tool, but effective force management also depends on other factors that underlie individual stay-leave decisions. Elements such as family status and spouse employment, demographic characteristics, skills and private sector opportunities, and tastes for the military versus the civilian sector play a crucial role in determining retention rates. Force managers need better information on how these factors affect officer and enlisted retention.

In the remainder of this chapter, Section 1.1 identifies the principal study focus in relation to the prevailing policy and analytical context, and Section 1.2 summarizes the major empirical findings. Chapter 2 describes the data used in the analysis -- the 1978 DOD Survey of Officers and Enlisted Personnel, and notes its primary strengths and weaknesses. Chapter 3 provides a general overview of retention behavior and the Annualized Cost of Leaving Model from which our analysis is derived. Chapter 4 describes how the model estimation is conducted and how the results are organized. The empirical findings for enlisted personnel and officers are presented in Chapters 5 and 6, respectively. Chapter 7 concludes with a summary of the findings and a discussion of the policy implications.

1.1 Study Focus

The study objective is to estimate the relationship between retirement benefits and retention decisions of military personnel. Retirement pay is a large component of total compensation costs for the DoD. Furthermore, manpower analysts agree that the retirement system plays an instrumental role in individual decisions of whether or not to remain in the Armed Forces. The Fifth QPMC is investigating this linkage to evaluate alternative changes to the current retirement system. To support the QPMC's effort, our analysis isolates the influence of the retirement system on retention decisions.

Underlying the QPMC's evaluation of retirement as well as other forms of compensation, such as special pays and bonuses, is a model that relates compensation to retention. Its theoretical basis is the Annualized Cost of Leaving (ACOL) model described in Enns, Nelson, and Warner (1983). The ACOL model is particularly appropriate for analyzing retirement issues because it combines deferred compensation with current pay and benefits into a single incentive variable vis-a-vis civilian opportunities. However, ACOL is still a relatively new and untested tool. And, in light of the policy and cost implications stemming from recommendations based on ACOL model predictions, it is essential to obtain a firmer grasp of the appropriateness of the model's assumptions and its potential biases. Toward this end, the analysis focuses on several issues that have not been adequately addressed by:

- o Estimating a retention model with data on individuals rather than aggregate data;
- o Decomposing the single ACOL variable into its separate pay elements;
- o Investigating the effects of measures of tastes for military service on retention and on estimated pay elasticities;
- o Estimating the retention of military officers as well as enlisted personnel;
- o Including a rich array of personal characteristics that bear directly on the stay-leave decision; and
- o Estimating separate Service retention models for enlisted personnel.

1.2 Summary of Empirical Findings

The analysis is based on a model that specifies the probability of retention as a function of relative compensation opportunities, taste for military service, and detailed personal and military characteristics. Retention models are estimated separately for enlisted personnel (YOS 2 to 11) and for officers (YOS 2 to 8). In addition, Service-specific models are estimated for the enlisted and these results are presented in Appendix D. The officer sample, however, is too small to permit separate analysis by Service, although we do test for inter-Service differences in the estimated compensation effects. Individual observations are used to estimate the probability of staying in the military for at least one more year. Maximum-likelihood techniques are used to estimate the parameters of a logit model of retention.

We use a straightforward procedure to calculate a compensation measure similar to a conventional ACOL variable. This measure is constructed by summing together (1) the difference in current military pay and expected civilian earnings reported by DoD Survey respondents; (2) the annualized present value of SRBs; and (3) the annualized present value of retirement benefits available at 20 years of service. This calculation captures the effects of current pecuniary incentives and two financial spikes that loom in the future -- reenlistment bonuses and retirement benefits.

The analysis also decomposes ACOL into the three pay elements noted above. This specification allows us to detect which sources of compensation have the strongest influence on retention. The empirical analysis finds that current pay differentials do not have a significant effect on retention probabilities. However, we believe that a cross-section data file, such as the DoD Survey, does not contain sufficient variation in the current military-civilian pay differential to support estimation of its relationship to retention. The differential remains fairly constant over YOS, in contrast to a rising rate of retention. We recommend that future analyses should exploit the advantages of pooled cross-section and time-series data. This would provide a better opportunity to estimate the effect of current pay differentials on retention as both change over time.

Estimated Retirement Benefit Elasticities. A major objective of the analysis is to estimate the relationship between retirement benefits and retention. The annualized present value of future retirement benefits, APV(Ret), is used to achieve this goal. DoD-wide retention models, estimated for both officers and enlisted personnel, yield the following APV(Ret) elasticities:

Enlisted -- APV(Ret) elasticity of 2.08 (YOS 2 to 11)
Officer -- APV(Ret) elasticity of 1.98 (YOS 2 to 8).

The results imply that both officer and enlisted personnel have a similar labor supply response with respect to the retirement system. This interpretation is buttressed by the fact that the estimated logit coefficients on APV(Ret) are of comparable magnitude for both groups. The two populations, however, do exhibit different elasticity patterns over YOS: enlisted elasticities are lower for the YOS 2-6 interval than for YOS 7-11, while officer elasticities are higher for YOS 2-4 than for YOS 5-8.

The estimated effect of APV(Ret) on enlisted retention varies significantly across Services. This should be taken into account in predicting Service-specific effects of a potential change to the retirement system. We find non inter-Service differences for officers. Note, however, that derived retirement benefit elasticities will vary according to where they are evaluated with respect to the retention function. Because average retention rates differ over YOS and across Services, the associated elasticities will differ. This variation should also be recognized in predicting the force implications of changes to the retirement system.

Our estimated retirement effects on retention are quite large compared to what would be predicted using a military pay elasticity of about 2.0 derived from previous ACOL model estimates. In part, our results may reflect the influence of unobserved tastes in the estimated APV(Ret) coefficient. The combination of a decomposed ACOL term and a wide YOS period may allow for much greater correlation between unobserved tastes that may change over YOS, and APV(Ret) which increases with YOS. Earlier models, however, did not permit estimation of a separate retirement effect. If different sources of compensation have different effects on retention decisions, then the implied retirement benefit elasticity based on earlier models may be biased downward. Moreover, most other analyses have focused on first-term enlistees for whom the retirement system has little financial value. We speculate that as YOS increases, the role of the retirement system expands while the corresponding role of current military compensation contracts.

Tastes for Military Service. A unique contribution of this study is its examination of (1) how individuals' tastes for military service influence retention, and (2) how the exclusion of tastes in retention models affects estimated pay elasticities. The DoD Survey provides information on how individuals rank civilian employment vis-a-vis their present military job. Several aspects of the job environment are addressed, and we focus on satisfaction with respect to nonpecuniary job attributes. The analysis estimates the retention effects of an overall Tastes Index as well as its components for both officers and enlisted personnel.

The results suggest that the probability of staying in the military is significantly related to tastes. While not surprising, these estimates provide some of the first empirical evidence documenting the role of tastes. We find that taste for the military is an important

determinant of both officer and enlisted retention. The specific job attributes comprising the Taste Index, however, differ between the two groups and the analysis examines their specific relationships to retention. The influence of tastes, or job satisfaction, on individual stay-leave decisions has direct policy implications. Shifts in the underlying taste distribution resulting from changes in personnel or compensation policy will subsequently affect the size and shape of the force.

The analysis investigates whether the omission of tastes in retention models may bias the estimated compensation coefficients. This issue is related to a phenomenon known as "selectivity" -- individuals are presumed to select themselves in or out of the military according to their relative employment preferences. Selectivity also operates from the demand side as the Services impose their own selection criteria. The outcome of this dual process is that average tastes for the military are predicted to rise with YOS. If unobserved tastes are correlated with measures of compensation, then estimates on the latter may be biased if tastes are not taken into account.

Our analysis finds that omitting tastes has only a minor impact on the estimated effect of compensation on retention. In particular, estimated retirement benefit elasticities are 10% and 5% too high for enlisted and officers, respectively, when our measure of tastes is excluded from the model. Insofar as we are able to proxy tastes for military service, selectivity does not appear to have serious implications for retention analysis. An important caveat to this conclusion is that tastes for military service may be broader than what is captured by the DoD Survey measure. One might conjecture that important dimensions of taste remain unobserved making the above interpretation premature. Although our findings are revealing, further work is needed in this area to provide additional information.

Personal Characteristics. The estimation yields a number of insights into the personal correlates of retention. These results, while not as amenable to policy as the compensation findings, enhance our general understanding of what motivates individuals to leave or stay in the military.

A statistically significant findings is that black officers and enlisted persons are more likely to remain in the military than nonblacks, other things equal. We find that female officers are more like to stay than their male counterparts; gender differences in retention propensities are not evident among the enlisted. These findings suggest that blacks, and to some extent women, perceive better career opportunities in the military than in the civilian sector. Women who enter the military may also have a comparatively higher taste for military service than males, and are thus more likely to remain.

Marital status and the nature of spouse employment also affect the probability of

retention. Although the estimated effects differ for officers and the enlisted, as well as by Service among the enlisted, several patterns emerge. Compared to single individuals, officers and enlisted who are divorced, widowed, or separated exhibit a stronger tie to the military. This may imply a link between military service and marital strife, as well as a sense of community for those experiencing family turbulence.

We find that enlisted personnel with a spouse in the Armed Forces or a spouse not currently working, are more likely to stay in the military than the single enlisted. The former suggests a family-wide commitment to the military, while the latter implies fewer outside ties to inhibit retention. These results indicate that the family-military interface is a relevant factor in retention decisions. This should be of interest to policy-makers, and hopefully, stimulate further analysis of family related issues.

Financial circumstances govern the ability of service members to take risks and defray the costs of switching jobs. Both officers and the enlisted appear to make retention decisions that are positively influenced by the possession of liquid assets. In addition, nonmortgage debts are found to discourage exits among officers.

2. DATA SOURCE AND SAMPLE DESIGN

The data base for the analysis is the 1978 DoD Survey of Officers and Enlisted Personnel. The DoD Survey is the only survey that has been administered recently to personnel in all Services from which valid statistical inferences can be made with regard to the entire military population. This section presents an overview of the survey, a discussion of its inherent strengths and weaknesses as they pertain to the analysis, and a description of the analysis samples. The following topics are addressed in turn.

- o Overview of the 1978 DoD Survey;
- o Description of the enlisted and officer samples;
- o Strengths of the DoD Survey;
- o Reliability of expected retention as a measure of actual retention;

2.1 Overview of the DoD Survey

The survey collected data from 57,540 persons who completed a mail questionnaire fielded during the first half of calendar year 1979.¹ The survey data consist of two samples -- officers and enlisted personnel. Each sample was stratified to obtain a sufficient number of observations according to:

- o Service;
- o Year of Service (YOS) (for enlisted personnel);
- o Pay grade (for officers);
- o Time remaining in enlistment contract (for enlistees with YOS less than 8 years); and
- o Sex, race (for enlisted personnel).

Two questionnaire forms were developed for each of the officer and enlisted samples to collect a wider range of information than possible with only one questionnaire form. The first set, Form 1 for enlisted and Form 3 for officers, focused on economic and labor supply issues. Forms 2 and 4 concentrated more heavily on the quality of military life. There is, however, considerable overlap between the two questionnaire variants in terms of the basic data collected. (See Hutzler and Doering (1980) for a description of the sample design, and Doering et al. (1981) for the user's manual and codebook.)

For the purpose of studying retention behavior, Forms 1 and 3 are the most relevant. Table 2.1 presents the number of enlisted and officer respondents by Military Service.²

Table 2.1

1978 DOD SURVEY: SAMPLE DISTRIBUTION BY SERVICE

(Forms 1 and 3)

| <u>Service</u> | <u>Enlisted</u> | <u>Officer</u> |
|------------------|-----------------|----------------|
| Army | 5,062 | 2,005 |
| Navy | 6,508 | 2,822 |
| Marine Corps | 5,283 | 2,294 |
| <u>Air Force</u> | <u>4,712</u> | <u>2,511</u> |
| DoD Total | 21,565 | 9,632 |

2.2 Analysis Samples

Using Forms 1 and 3 of the DoD Survey we developed two analysis samples. The enlisted sample comprises individuals between YOS 2 and YOS 11 with less than one year until the expiration of their term of service (ETS). The officer sample consists of individuals from YOS 2 through YOS 8 who either have less than a year remaining₃ in their present service obligation or do not face a service obligation.

The limits on YOS are necessary for two reasons. First, data on individuals prior to YOS 2 are less valuable for retention analysis because of the high turbulence and attrition during the first year of service. Since our analysis focuses on individuals at ETS, the majority of personnel in YOS 1 are automatically excluded. In addition, most exits during this period are involuntary and driven by demand rather than supply. The DoD Survey does not distinguish clearly between these behavior catalysts. Second, retention rates become high and remain relatively constant after YOS 11 and YOS 8 for enlisted and officer personnel, respectively. Therefore, the most interesting retention issues from a policy perspective pertain to individuals before YOS 8 and YOS 11 because it is during this period that losses from the military are highest.

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The analysis samples are rich in information, and when properly weighted, can be used to describe the military population at large. Table 2.2 presents some descriptive statistics of the enlisted and officer samples.

Table 2.2

SELECTED DESCRIPTIVE STATISTICS OF ANALYSIS SAMPLES

| Characteristic | Enlisted Sample
Number | Sample (%) | Officer Sample
Number | Sample (%) |
|-------------------------------|---------------------------|------------|--------------------------|------------|
| Demographic: | | | | |
| Male | 6944 | 89.87 | 966 | 66.44 |
| Female | 782 | 10.12 | 488 | 33.56 |
| Black | 1299 | 17.05 | 77 | 5.28 |
| Nonblack | 6319 | 82.95 | 1381 | 94.72 |
| Service: | | | | |
| Army | 1731 | 22.88 | 400 | 27.44 |
| Navy | 2410 | 30.96 | 407 | 27.92 |
| Marine Corps | 1741 | 22.36 | 371 | 25.45 |
| Air Force | 1853 | 23.80 | 280 | 19.20 |
| Occupation (Enlisted): | | | | |
| Infantry, Seamen | 914 | 13.21 | | |
| Electronic Repair | 821 | 11.86 | | |
| Comm/Intell | 618 | 8.93 | | |
| Medical/Dental | 359 | 5.19 | | |
| Other Tech/Allied | 170 | 2.46 | | |
| Elec/Mech Repair | 1593 | 23.02 | | |
| Administration | 1379 | 19.93 | | |
| Craftsmen | 279 | 4.03 | | |
| Service/Supply | 722 | 10.43 | | |
| Occupation (Officer): | | | | |
| Tactical | | | 391 | 37.03 |
| Intelligence | | | 34 | 3.22 |
| Engineer/Maint | | | 105 | 9.94 |
| Medical | | | 163 | 15.44 |
| Scien/Profess | | | 71 | 6.72 |
| Supply/Procurement | | | 157 | 14.87 |
| Administration | | | 135 | 12.78 |
| SAMPLE SIZE: | 7785 | | 1458 | |

Note: Individual statistics may not sum to sample size due to missing data.

2.3 Data Strengths and the Measurement of Retention

The DoD Survey offers an unusually rich mix of demographic, economic, and attitudinal data on individual military personnel. Moreover, its size and representativeness permit valid statistical inference to the entire military population. Of particular interest for a study of retention are the following items:

- o Military compensation data on basic monthly military pay, allowances (BAS, BAQ), special pays and bonuses;
- o Individuals' tastes for the military versus the civilian sector are measured with respect to perceived job security, job location, supervisors and peers, and having a say in their work;
- o Expectations of the annual civilian wage individuals would receive if they were to leave the military today; and
- o Information on an individual's expected career length.

These data support estimation of an expanded ACOL model (developed in the next chapter). Although the importance of tastes in the stay-leave decision has been recognized in theory, the 1978 DoD Survey permits, for the first time, explicit estimates of the effects of tastes on retention.

The dependent variable is constructed from two survey questions that query individuals on their current YOS and their expected years of service when they finally leave the military (expected career length, ECL). The specific questions are:

Enlisted

YOS: "To the nearest year and month, how long have you been on active duty? (If you had a break in service, count current time and time spent in previous tours.)"

ECL: "When you finally leave the military, how many total years of service do you expect to have?"

Officer

YOS: "To the nearest year and month, how long have you been on active duty? If you had a break in service, count current time and time in previous tours. Count time spent at a military academy and prior enlisted service."

ECL: "When you finally leave the military, how many total years of service do you expect to have?"

The dependent variable (retention) is constructed by taking the difference between an individual's expected career length (ECL) and his current YOS. If this difference is equal to or greater than 1, the individual is classified as a stayer, otherwise he is considered a leaver. Since current YOS is measured in months while expected career length is measured in years, this procedure may result in a somewhat conservative estimate of retention. For example, an individual with 6 years and 3 months of current YOS, who intends to leave after one year (at YOS 7 years and 3 months), is forced by the Survey to answer the expected career length question in years (7 years). Thus, by our definition he would be classified as a leaver even though he expects to remain in the military at least one more year.

2.4 Reliability of Planned Retention Behavior

Analyses of economic behavior attempt to reveal systematic relationships between sets of independent characteristics (explanatory variables) and observed outcomes (dependent variables). However, in the DoD Survey, the data base is a cross-section of individuals who were on active duty when the survey was administered. It does not contain information on actual retention. Instead, the Survey queries individuals about their plans to remain in the military rather than recording their actual behavior. Respondents are not reinterviewed at a later point, nor does the Survey contain an identification variable to link actual behavior to earlier plans. An important problem is to gauge the reliability of this planned behavior as a predictor of unobserved outcomes.

This issue has been addressed in previous retention studies utilizing similar data, and we draw upon these findings to support our own procedure. Hiller (1982) reviews the results of Brunner (1971) and Chow and Polich (1980) in his investigation of the relationship between intended and actual reenlistment. Brunner analyzed the actual versus intended behavior relationship for a sample of first-term, white airmen using the Air Force version of the 1964 DoD Survey and the 1969 Air Force Sample Survey. Using actual data from Airmen Retentions and Loss

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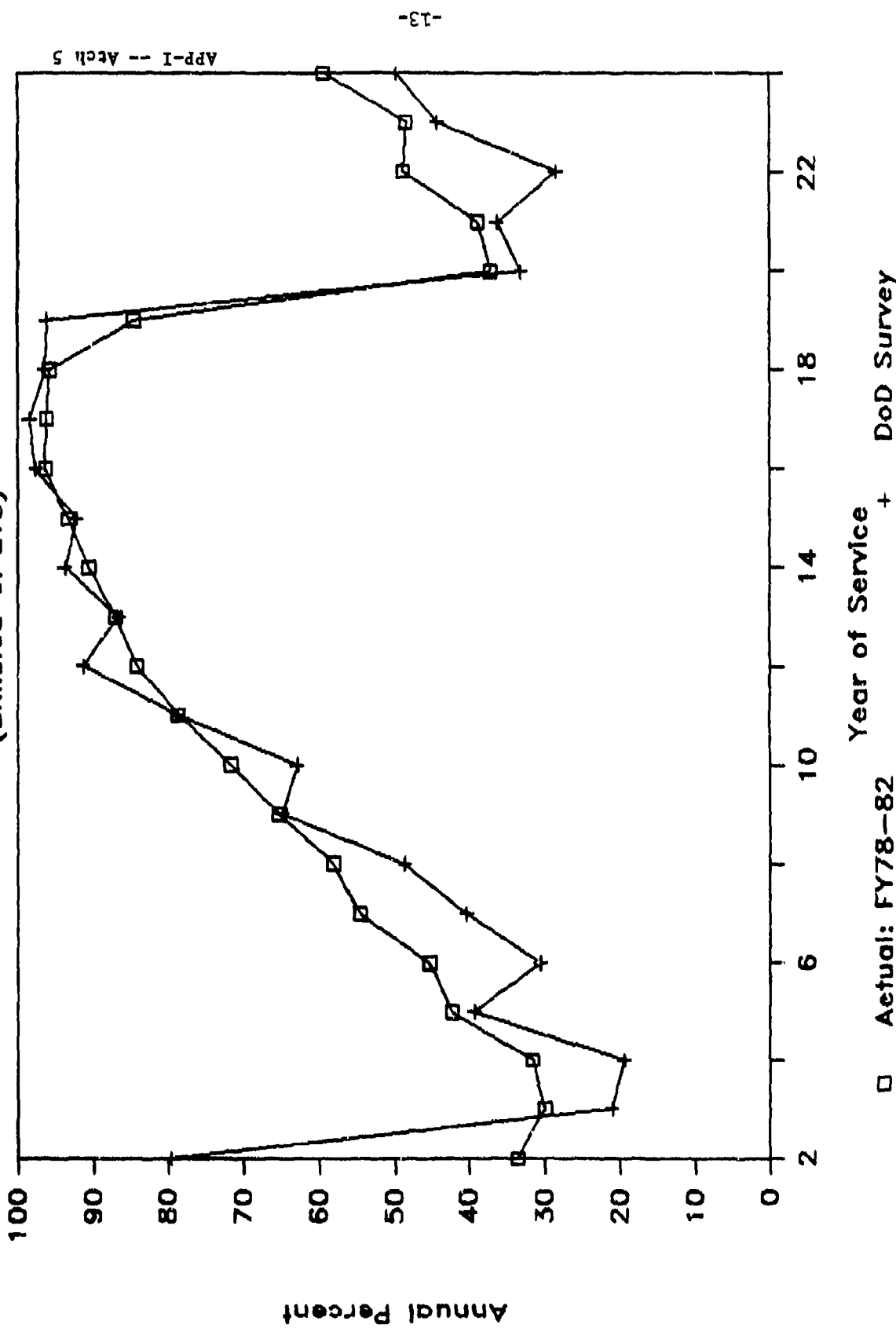
Files she found that intentions, while highly correlated with actual behavior, tended to underestimate true reenlistment rates. As Hiller points out, however, Brunner's results cannot be applied directly to a more general retention analysis that examines with a more diverse DoD-wide population.

A more useful piece of evidence for our analysis is a study by Chow and Polich (1980). Using the 1976 DoD Survey of Officers and Enlisted Personnel, they compare intended behavior with actual first-term reenlistments gathered from the DoD Master and Loss Files for March 1977. Unlike the 1979 DoD Survey, the 1976 Survey recorded the Social Security numbers of the respondents which enabled Chow and Polich to match intentions with actual behavior on an individual basis. Their findings suggest a very high correlation between planned and observed behavior with respect to first-term reenlistment.

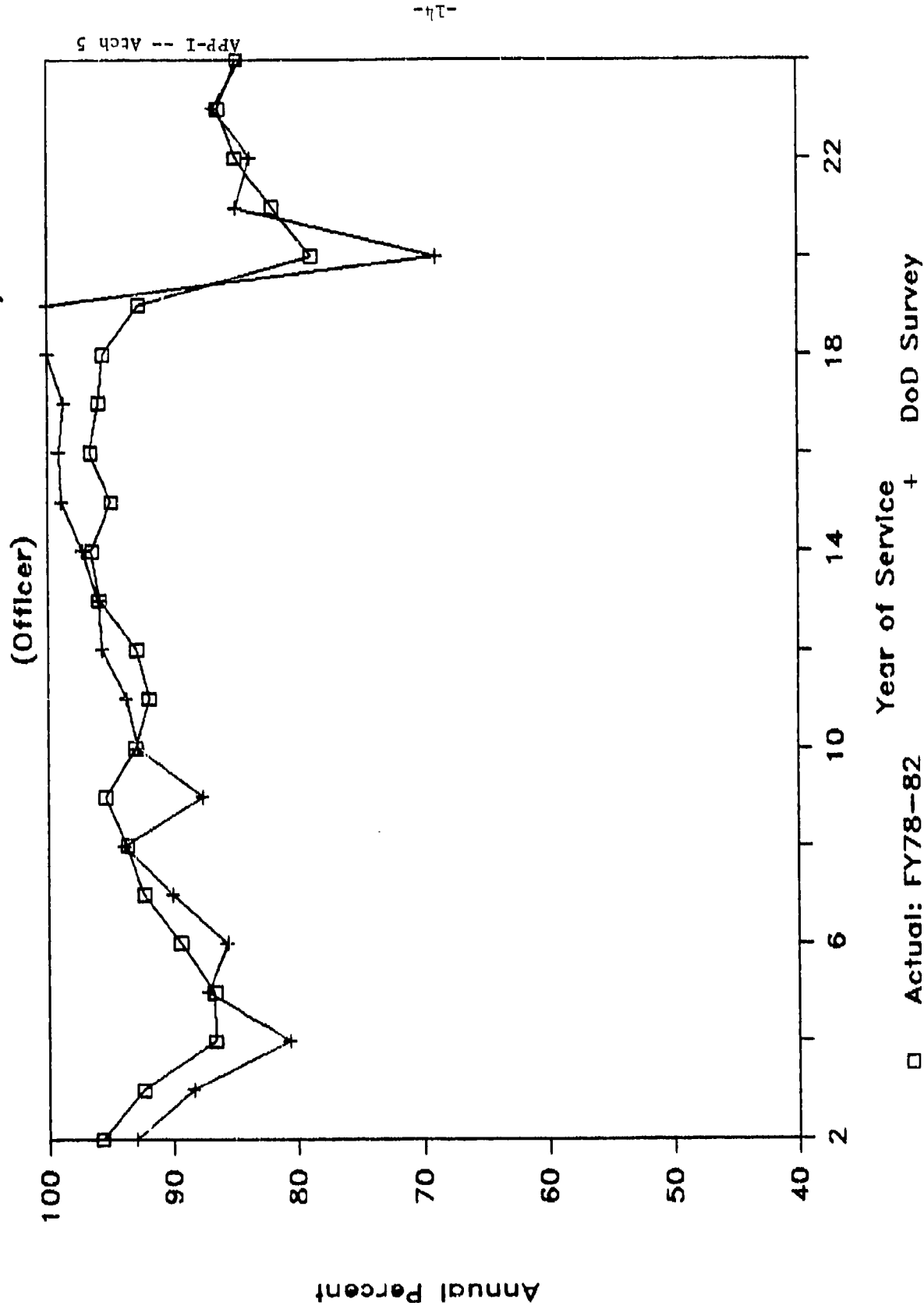
Hiller extends the Chow and Polich analysis by applying a more sophisticated multivariate procedure to the matched 1976 DoD Survey. He estimates a weighted least squares regression model with observed behavior as the dependent variable, and intentions, service, and two ETS categorical dummy variables as the explanatory variables. If Chow and Polich are correct, the intentions variable should have a highly significant coefficient close to one, with the other coefficients close to zero and statistically insignificant. His results support this hypothesis. Intentions has a coefficient of 1.09, which is statistically different from zero but not from one. Coefficients on the other variables in the model, including the intercept, are not statistically different from zero. Hiller concludes that intentions are quite accurate predictors of retention behavior, and in light of the zero coefficient on the intercept, that planned behavior is directly proportional to observed behavior.

Actual retention data from the period of the survey provide a further check on the accuracy of the DoD Survey measure of retention. We can compare calculated retention (continuation) rates from the survey with actual retention (continuation) rates for both enlisted and officer personnel from data supplied by the Defense Manpower Data Center (DMDC). The DMDC data are 5-year average retention (continuation) rates for the 1978-82 period. Figures 2.1 and 2.2 illustrate this comparison for all enlisted and all officer personnel, respectively. The DoD Survey measure corresponds quite closely with actual retention (continuation) rates. Note that the DoD Survey measure is for planned behavior in 1979, a year when actual retention was below the 5-year average. These figures also illustrate the relatively high and stable retention patterns beyond YOS 11 and YOS 8 for enlisted and officer personnel, respectively. This supports our decision to restrict the analysis samples to these intervals.

2.1 Retention Rates by YOS (Enlisted at ETS)



2.2 Continuation Rates by YOS



Notes

1. The 57,540 completed questionnaires represents a completion rate of 62.2 percent, a response rate that exceeds the original sampling requirements by over 5 percent.
2. Because the DoD Survey is a stratified random sample, sampling weights must be applied to the sample observations to obtain valid military estimates.
3. Because retention varies substantially by occupation, and determining this relationship is an important part of the analysis, the samples exclude personnel whose DoD occupational grouping at the time of the survey was "non-occupational" (DoD 1-digit grouping of 9). The YOS 8 cutoff also excludes officers of General or Flag rank from the sample.

3. ANALYSIS FRAMEWORK

This chapter provides a conceptual overview of an individual's decision to leave or stay in the military. Section 3.1 begins with a brief review of the ACOL model that defines the analytical tools used by the QPMC in evaluating military compensation policies. The operation of the ACOL model is described, several key features are noted, and estimation procedures, along with representative empirical findings, are presented. As described in Section 3.2, the retention model used in this research is a derivative of the ACOL methodology. Important differences between the two are noted in the text. The conceptual model is used to specify the estimating equations and to interpret the estimated coefficients.

3.1 Annualized Cost of Leaving Model

Retention models focus on an individual's stay-leave decision that is governed by the objective of maximizing lifetime returns. The concept of "returns" includes both the pecuniary salaries, wages, and benefits as well as job satisfaction and other nonpecuniary returns. Returns include both future and current compensation. These models are an outgrowth of the job search and quit literature that has developed optimal decision-making rules. Retention models such as ACOL construct a stay-leave criterion from a comparison of the returns associated with the military with the expected returns currently available in the civilian sector.

The empirical implementation of the ACOL model has focused almost exclusively on financial incentives, with modest control for Service identity, occupational status, and a few demographic characteristics. Tastes, along with other excluded factors, are subsumed in a random disturbance term, which is assumed to have a logistic distribution. A primary analysis objective is to examine the potential biases resulting from omitting other variables from a formulation of tastes.

In a retention context, the stay-leave decision is based on three primary considerations:

- o Relative comparison of expected returns to remaining in the military versus those associated with civilian employment;
- o Calculation of respective present values of the income streams associated with military and civilian employment; and
- o Assumption of an unobserved taste or preference for civilian versus military service that has a logistic distribution (S-shaped curve bounded by 0 and 1).

The relationship between compensation and individual stay-leave decisions is developed below (see Enns, Nelson, and Warner, 1983, for documentation). A worker contemplating an employer change will evaluate both the returns to leaving that job (RL) and the returns to staying (RS). An individual will remain in the military only if there is at least one period of additional service over which

$$RS - RL > 0. \quad (1)$$

The economic problem confronting an individual is to choose the option that offers the greatest expected lifetime return.

The returns to staying (RS) consist of income earned during the current and some future period of service, plus the returns to leaving thereafter. The returns to leaving (RL) include (1) the highest earnings currently available outside the military, (2) any deferred income payable upon leaving the military, and (3) the taste preference for civilian versus military employment.

The ACOL model first determines the period of additional service, s^* , that maximizes the returns to staying, $RS(s^*)$. This yields the highest return derived from serving for s^* more years, and from post-service employment after the s^* period. Second, the model compares $RS(s^*)$ with the returns to leaving immediately, RL. An individual will remain in the military at least one more year only if $RS(s^*) > RL$.

The model is made operational by specifying that individuals compare (1) the present value of the financial cost of leaving over each possible future period of service with (2) the present value of their yearly taste for private sector versus military employment over the relevant planning horizon. For each possible length of continued service, the financial cost of leaving, COL, is the sum of:

- o Present value of active duty military pay; plus
- o Incremental increase in the present value of retirement pay over the planning period; minus
- o Present value of foregone civilian earnings; minus
- o Present value of reduced post-military civilian earnings growth due to remaining in the military for "s" additional years.

Individuals remain in the military only if there exists at least one span of future service over which the present value of the financial cost of leaving, COL, exceeds the present value of their yearly taste for civilian versus military employment, T:

$$COL(s^*) - T > 0. \quad (2)$$

The stay-leave criterion stated in expression (2) is identical to that in expression (1), except for the rearrangement of terms. In particular, subjective taste factors are represented separately in the second expression. This is useful for specifying a statistical function to estimate the model's parameters. In addition, the financial RS and RL terms have been combined into a first-difference form.

The ACOL model operates by converting the COL value into an annuity paid over "s" years at a given discount rate. The annualized cost of leaving variable, ACOL, is used in the empirical model as the financial incentive motivating behavior. The ACOL value is preferable to the COL value because it standardizes over varying lengths of future service. Hence, two or more income streams that are defined over different planning horizons can be compared because their annualized present values are independent of the length of the planning horizon.

Predicting retention under different compensation systems requires estimation of the military labor supply function. According to expression (2), individuals at the margin between staying and leaving are those for whom the taste variable, T, is just equal to ACOL. Let F(T) represent the taste distribution among a population with otherwise identical characteristics. If the distribution is assumed to be logistic, then the likelihood of staying is equal to

$$P(\text{staying}) = \frac{1}{1 + e^{-(a + bACOL(s*))}} \quad (3)$$

where e: exponential function
a, b: parameters to be estimated.

The model has been estimated with cross-section data on enlisted personnel. Group sample observations generally are defined by Service, occupation, and year of service. Prior to the analysis being conducted by the Fifth QMRC, however, the majority of previous empirical work has concentrated on Navy enlisted personnel using grouped data. An exception is the work by Enns, Nelson, and Warner (1983), who estimate an average DoD-wide pay elasticity of 2.7 for enlisted personnel at YOS 4 and 1.8 at YOS 8. The derived pay elasticity continues to decline with YOS, suggesting a growing commitment to the military as experience increases.

3.2 Analysis Approach

The preceding discussion provides a general framework in which the empirical model is derived. Although our model is consistent with the ACOL approach, it differs in several important respects. Below, we elaborate on five key differences between the conventional ACOL model and the specification used in this analysis: (1) construction of the ACOL variable, (2) decomposition of ACOL, (3) explicit control for

military tastes, (4) inclusion of nonmonetary factors, and (5) model estimation for major military subgroups generally omitted by previous research.

ACOL Construction. As noted earlier, ACOL is based on that period of continued service for which the returns to staying are maximized. $RS(s^*)$ is found by computing RS for all possible future service intervals and then selecting the highest value. The financial returns to leaving are then subtracted from $RS(s^*)$ to obtain COL, which in turn is transformed into an annuity equivalent, ACOL.

This iterative procedure has theoretical merit; but in practice, the ACOL values associated with various employment intervals are highly correlated. Warner and Goldberg (1982) find correlations in excess of 90%. Further, they find that for enlisted personnel at ETS, the service interval that maximizes ACOL is either 4 additional years, or the remaining time to YOS 20. The period associated with the highest ACOL is found to depend on the assumed discount rate. For a 20% rate, the maximum ACOL value is based on a 4-year interval; for a 10% rate it is based on service to 20 years.

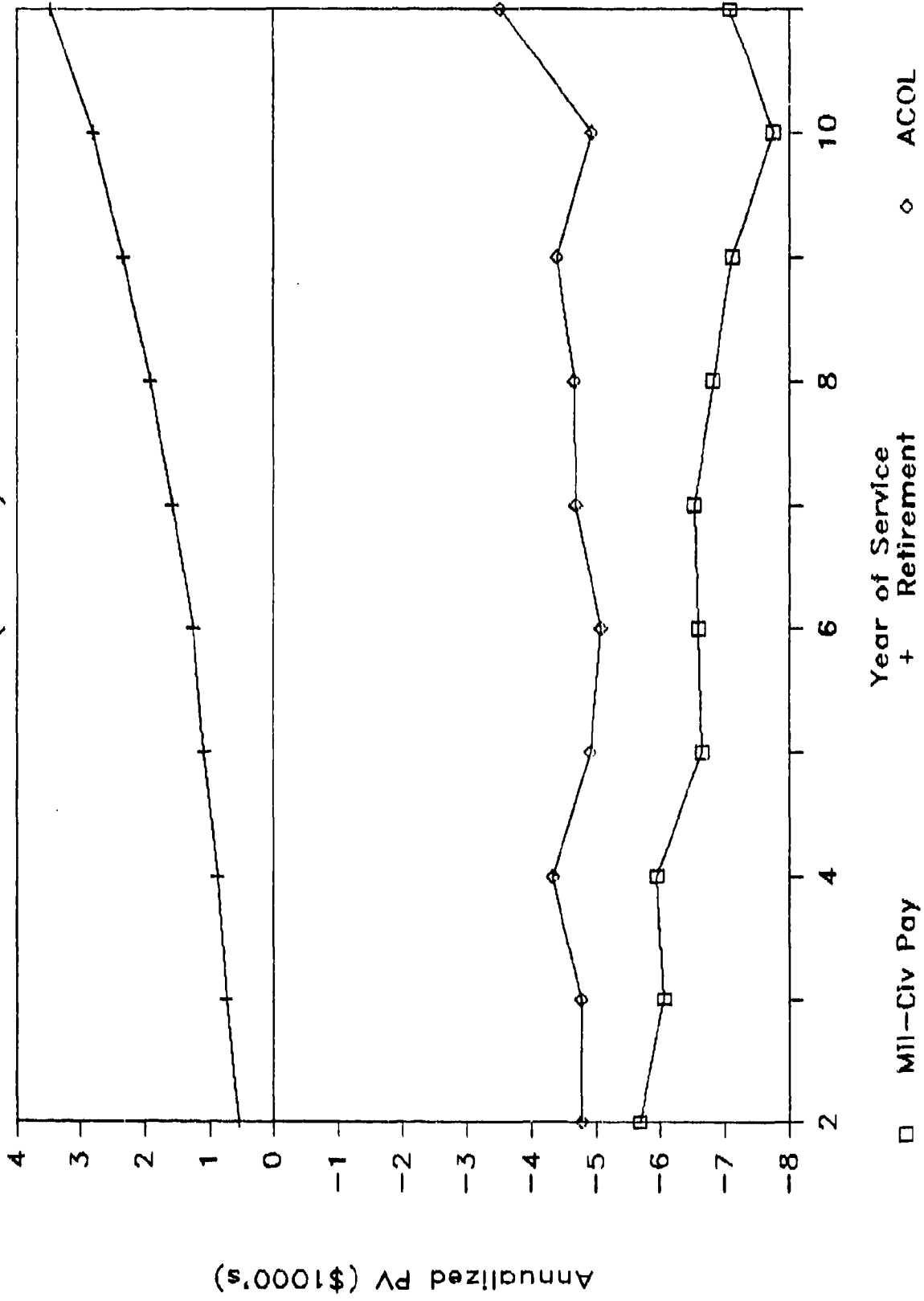
These results have useful implications for our analysis. They suggest that a simpler procedure for calculating ACOL should produce similar results, both in terms of measuring ACOL and in estimating its effect on retention. If alternative ACOL values are highly correlated across different service periods, then using a single period of future employment may suffice. This observation, however, must be qualified by the following points:

- o The Warner-Goldberg finding implies that the earnings profile for service members is dominated by two financial spikes -- availability of reenlistment bonuses, and expected retirement benefits.
- o The financial spikes constitute two local maxima and the algorithm that searches for the greatest ACOL over all possible service lengths will tend to select one or the other depending on the assumed discount rate. as the intervening time to YOS 20 shortens, however, the discount rate plays a smaller role as the increasing magnitude of the retirement annuity pulls the algorithm to YOS 20.

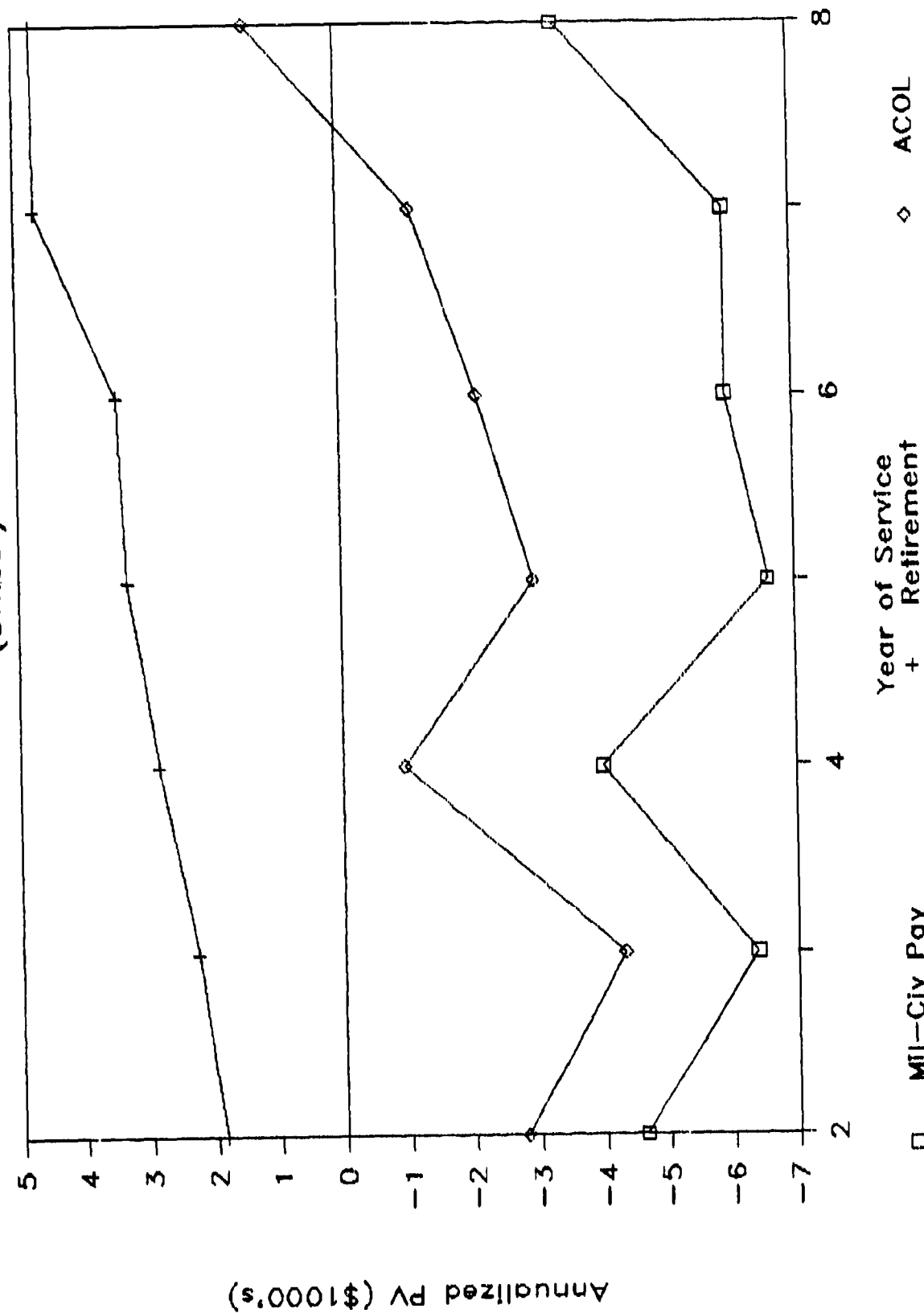
Figures 3.1 and 3.2 depict two key findings about the ACOL variable. First, growth in ACOL over YOS is driven primarily by the increasing present value of retirement benefits. Second, the difference between military and civilian earnings remains quite stable across YOS. With increasing work experience, military earnings rise, but their growth is more than offset by a similar increase in civilian earnings potential.

3.1 ACOL Components by YOS

(Enlisted)



3.2 ACOL Components by YOS (Officer)



These results are documented in the QPMC's analysis as well as in our survey data file. Related findings hold for the civilian sector where analysts find that cross-section differences in pay across workers tend to persist over time (Lillard and Weiss, 1979).

The above findings underlie our procedure for constructing an ACOL-type variable. The procedure consists of four steps.

First, the difference between current military pay and expected civilian earnings is calculated for each individual in the sample. We simplify matters by using basic military pay rather than including allowances and tax benefits for in-kind benefits. We constructed measures incorporating reported special pays and allowances, but the model performed better without them, possibly because of reporting errors in the survey.

The current pay differential does not reflect the impact of continued military service on subsequent civilian earnings, nor does it allow for different growth rates in earnings between the two sectors. There is little empirical evidence on the former effect; the latter does not appear to be substantial and little measurement distortion is expected. We do, however, encourage further inquiry into both of these phenomena.

Second, selective reenlistment bonuses (SRBs) are assigned to individuals in the sample using Service-specific policies in effect during the second half of FY1979 (data provided to us by the Office of the Assistant Secretary of Defense for Manpower, Reserve Affairs, and Logistics). Each member's eligibility status and bonus multiplier are determined by Zone and occupational specialty. Bonus amounts are a function of basic pay as reported in the DoD Survey data, and an expected 4-year reenlistment period. Lump-sum bonus payments became effective April 1979 and our calculations are based on that change. Finally, a 4-year annuity is created from the lump-sum amount to provide a measure comparable to the annual pay variables.

Third, an annualized present value of potential retirement benefits is calculated. Enlisted personnel are assumed to retire at an E-7 paygrade and officers at O-5. In both instances, retirement at YOS 20 is presumed. Depending on an individual's age at retirement, an average life expectancy (age 77 for officers and 74 for enlisted personnel) is used to determine the probable number of years over which benefits would be received (based on lifetime expectancies from the FY1982 DoD Statistical Report on the Military Retirement System). Benefits are discounted back to each individual's current YOS using personal discount rates estimated by Black (1983). The before-tax present value is then converted into an annuity for the remaining time to YOS 20.

Fourth, the three primary components are combined into a single term. This variable is referred to below as ACOL, although it is

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technically different from its theoretical antecedent. We believe, however, that the two are highly correlated because the essential ingredients are included in our simpler measure. Weaknesses inherent in our ACOL variable include: (1) the absence of accurate measures of allowances, special pays, and in-kind benefits; (2) the failure to correct for taxes and tax benefits; and (3) the lack of control for long-term effects of continued service on future civilian earnings.

ACOL Components. Individuals are theoretically indifferent between sources of income after controlling for differences in risk and timing. Therefore, the empirical specification of a single monetary incentive variable, ACOL, is appropriate. However, there are reasons why decomposition of ACOL is warranted. First, variation in military-civilian pay differences is quite limited in a cross-section data file. Although military pay rises with YOS, the civilian earnings profile tends to move in concert. Therefore, the observable difference between the two remains fairly constant over YOS. A rising retention rate combined with a flat pay differential across YOS results in a low correlation between the two.

To observe a systematic relationship between current pay differentials and retention, time-series data should be used, preferably a pooled cross-section time-series file. The implication for a cross-section analysis is that the estimated effect of ACOL on retention is due primarily to compensation factors other than current pay differentials. The most likely sources are bonuses and expected retirement benefits. Therefore, we decompose ACOL into three elements:

- o Pay Difference (current military basic pay minus expected civilian earnings);
- o Annualized Present Value of Bonus (lump-sum SRB payment for eligible enlisted personnel specified as a 4-year annuity); and
- o Annualized Present Value of Retirement Benefits (an annuity calculated for the interval of YOS 20 minus current YOS).

The empirical analysis examines the effects of using a single ACOL variable versus its three components.

A second reason for decomposing ACOL is to examine the specific influence of the current retirement system on retention. This analysis approach permits a more detailed investigation that is particularly important for an evaluation of alternative retirement plans. Moreover, this approach allows for differential retention responses with respect to income sources.

Tastes for the Military. Manpower experts agree that individuals' tastes for the military play a crucial role in the stay-leave decision. Despite the acknowledged importance of tastes, this subjective factor

has eluded researchers in their empirical analyses of retention behavior. The relevance of tastes to manpower and compensation policy stems from its link to "selectivity". This concept refers to the process whereby individuals tend to sort themselves in or out of the military according to their preferences for military versus civilian employment, other things equal. Hence, we expect that tastes for the military of a younger YOS group will be lower and display greater variation, on average, than those of an older group.

Because of this sorting process, estimated retention models that exclude tastes may be erroneous. The estimated coefficient on ACOL may be biased if the omitted taste factor is correlated with retention as well as with ACOL. Given the rise in ACOL with YOS (due to an increase in the value of expected retirement benefits), and the anticipated rise in tastes (due to self-selection), both conditions are likely to be met. If so, misleading policy predictions may result because of the biased ACOL coefficient.

If a major change in compensation policy were contemplated, predictions of the force implications would hinge on the resulting change in the taste distribution. If the taste distribution changes substantially from what currently exists, then predictions based on previously estimated retention models may be in error. A large portion of the forecast error may consist of the independent effect of tastes on retention (a shift effect), in addition to its effect on the ACOL-retention relationship (a slope effect). To investigate these possibilities, our analysis explicitly controls for individual tastes for military versus civilian employment.

The approach taken in this analysis is quite different from the empirical specifications of earlier ACOL models. The ACOL literature, however, does address the role of tastes in developing theoretical models of retention. For persons "at the margin" between leaving and staying in the military (a zero ACOL value), retention is assumed to vary according to unobserved tastes. This variation in the probability of staying is given by the tastes component which is assumed to have a logistic distribution. This provides a rationale for using a logistic function to specify the estimating equation. However, it does not yield estimates of the taste effect on the ACOL coefficient, nor does it eliminate potential omitted variable biases. The inclusion of tastes in a retention model is not inconsistent with the ACOL methodology. Rather, it is a function of data availability. As described in Chapter 2, the DoD Survey contains a limited range of data that supports exploration of this influential factor.

The 1978 DoD Survey queries individuals on the merits of their current military job versus a job in the civilian sector. Respondents are asked to indicate, on a scale of 1 to 5, how they believe a civilian job would compare to their current military assignment on 13 specific work conditions, most of which are nonmonetary job attributes. We confine our attention to the nonmonetary attributes (see Appendix A for a

description of all 13 variables). Because these variables measure nonpecuniary job satisfaction relative to perceived opportunities available in the civilian sector, they can be used to measure individuals' tastes for military versus civilian employment. While an individual's taste for military life is undoubtedly influenced by factors that are not job-related, we believe these measures offer a first step toward an understanding of the role of tastes in the retention decision.

Auxiliary regressions, including all nonmonetary job attribute variables, were estimated for both the officer and enlisted samples. The statistically significant predictors of retention were used to develop a single taste index. The responses to the included variables for each individual were averaged to obtain the composite. Unreported regression results show this index to perform about as well as when the variables were entered separately. We feel that the composite is a useful proxy for the unobserved concept of nonpecuniary job satisfaction.

Table 3.1 reproduces the survey question pertaining to individuals' relative job satisfaction along with the seven nonpecuniary work conditions. An X signifies that the attribute was significantly related to retention. These attributes were used to create the taste index for officer and enlisted personnel.

Table 3.1

VARIABLES USED TO CONSTRUCT COMPOSITE TASTE INDEX

Question: "If you were to leave the service NOW and take a civilian job, how do you think that job would compare with your present military job in regard to the following work conditions?"

| <u>Work Conditions</u> | <u>Enlisted</u> | <u>Officer</u> |
|------------------------|-----------------|----------------|
| Immediate supervisors | | X |
| Having a say | X | X |
| Interesting work | X | |
| People I work with | | |
| Work schedule | | |
| Job security | X | |
| Job location | X | X |

Personal Characteristics. This analysis exploits the rich data contained in the 1978 DOD Survey. Some of the personal characteristics used in our analysis are quite common: sex, race, age, and education. Others, however, are relatively new:

- o Marital Status - Single, Divorced/Widowed/Separated, Married.
- o Spouse Employment - Armed Forces, Civilian Job, Not Working.
- o Financial Assets - Liquid Assets, Nonmortgage Debts, Homeowner.
- o Military Tastes - Overall Index, Components.

We find that most of these factors play a significant role in the retention decision. The estimated relationships are discussed in Chapters 5 and 6.

Military Characteristics. The empirical analysis also controls for variation in military factors, including:

- o Service Affiliation - Army, Marine Corps, Air Force, Navy (ship assignment), Navy (no ship assignment); and
- o Occupation - Occupational specialties identified by a 1-digit DoD occupation code.

These variables not only control for retention differences across Services and occupations, but the estimated coefficients on these factors are themselves important in isolating where the problem areas lie.

Figures 2.1 and 2.2 showed that retention rates increase with YOS. The same finding holds for term of service. The first stage of our empirical analysis creates a combination variable measuring both enlistment term and receipt of bonus. The Term-Bonus variables have the following breakdown:

- 1st Term-Enlistment Bonus Received
- 1st Term-No Enlistment Bonus Received
- 2nd Term-Reenlistment Bonus Received
- 2nd Term-No Reenlistment Bonus Received
- 3rd Term-Reenlistment Bonus Received
- 3rd Term-No Reenlistment Bonus Received.

Other things held constant, the coefficients on these variables should increase with term of service (i.e., individuals in their third term of service should exhibit higher retention rates than personnel in their second term, and so forth). Moreover, individuals who did not receive an enlistment or reenlistment bonus should have a lower retention propensity than others.

The analysis also examines the effect of controlling directly for

YOS rather than the above Term-Bonus combination. The results of this alternative specification are discussed in Chapter 5.

Military Population Groups Analyzed. The retention model is estimated separately for officers and enlisted personnel, one of the few instances in which officer retention behavior has been examined. The estimation results permit comparisons between officers and enlisted personnel.

We estimate a DoD-wide model and separate models for enlisted personnel in each of the four Services. The DoD Survey, however, does not contain enough observations between YOS 2 and YOS 8 to support separate Service estimation for officers.

4. MODEL ESTIMATION

This chapter provides an overview of the specification and statistical techniques used to estimate the empirical model. The discussion is divided into three parts:

- o Model Specification -- three alternative specifications to test competing hypotheses;
- o Estimation Techniques -- logit model used to estimate the retention probability models; and
- o Statistical Constructs -- procedures used to calculate the partial effect of explanatory variables and the construction of retention elasticities.

4.1 Model Specification

The empirical analysis addresses three major issues: (1) the effect of a single ACOL variable on retention versus the separate effects of the ACOL components, (2) the role of non-compensation factors as determinants of retention, and (3) the influence of tastes for the military versus the civilian sector on retention. Three different models are specified in order to assess the relative importance of each of these issues:

- o Model 1 - Personal and Military Characteristics
Term of Service and Past Receipt of Bonus
Single ACOL Variable.
- o Model 2 - Personal and Military Characteristics
Past Receipt of Bonus
Three ACOL Components.
- o Model 3 -- Personal and Military Characteristics
Past Receipt of Bonus
Three ACOL Components
Tastes for Military Versus Civilian Employment.

The chief difference between the first two models is the substitution of ACOL components for the single ACOL variable. Model 3 builds on Model 2 by adding tastes to the estimating equation.

The results from Model 1 are used to discuss the relationships between retention and the Term-Bonus variables, and ACOL. The estimated coefficients of Model 2 are used to evaluate the gains in predictive power resulting from a decomposed ACOL approach, as well as to pinpoint

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the separate impact of the retirement system on retention. The discussion then focuses on the implications of including taste in Model 3. Interpretation of the role of personal and military factors also is based on Model 3.

4.2 Estimation Technique

The retention model is developed to predict the probability of staying in the military for at least one more year. We use data on planned retention to construct a binary dependent variable that equals 1 for a positive stay decision and 0 otherwise. This dichotomous variable is used to estimate the influence of independent variables on the (continuous) probability of staying in the military.

In order to estimate the parameters of the model we use the logistic distribution that relates the expected probabilities to the exogenous variables according to:

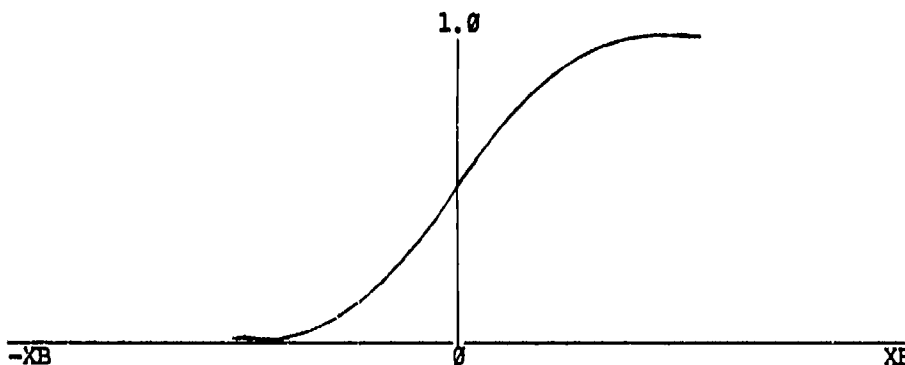
$$P(\text{staying}) = \frac{1}{1 + e^{-XB}} \quad (4)$$

where X is a vector of explanatory variables as described in Section 4.1; B is a vector of model parameters to be estimated; and "e" is the exponential function raised to the $-XB$ power. The logistic distribution is similar to the probit, differing primarily in the rate at which they approach the limiting values of 0 and 1.

The logistic distribution describes the following S-shaped curve.

Figure 4.1

THE LOGISTIC DISTRIBUTION



As XB goes from $-\infty$ to $+\infty$, this distribution ranges from 0 to 1. Thus, while the probabilities are bounded for each individual, the XB are not.

The parameters of the model are estimated by applying maximum-likelihood techniques to the specified equation. The objective of this procedure is to estimate the unknown parameters of the probability function that maximize the likelihood of observing the actual pattern of expected stay-leave decisions. The maximum-likelihood estimators are consistent and asymptotically efficient (see Theil, 1971, pp.392-396 for a proof of these results). The LOGIST procedure available in the Statistical Analysis System (SAS) software package is used to estimate the model. This procedure computes maximum-likelihood estimates iteratively using the Newton-Raphson method.

4.3 Statistical Constructs

Because the logistic function is nonlinear, the effect of a change in one of the exogenous variables on the dependent variable (retention) cannot be discerned directly from the estimated coefficients. To find this effect we differentiate equation (4) with respect to X .

$$\frac{\partial P}{\partial X} = \frac{\partial [1 + e^{-XB}]^{-1}}{\partial X}. \quad (5a)$$

After manipulation (see Hanushek and Jackson, 1977, pp. 188-189 for a derivation of the intermediary steps), we are left with a fairly simple expression relating changes in the exogenous variables to changes in the expected retention probabilities.

$$\frac{\partial P}{\partial X} = B * P (1 - P). \quad (5b)$$

Equation (5b) represents a vector of first partial derivatives that, when properly evaluated, illustrate the effect of changes in the exogenous variables on the expected retention probabilities. Their interpretation is similar to that of estimated coefficients from a linear regression equation.

Logit Coefficients. Unlike a linear regression model, however, the influence of a logit coefficient depends on where it is evaluated with respect to the distribution of the dependent variable. Its effect is contingent on the value of P which, in turn, depends on the values of the other exogenous variables in the model. (This can be shown analytically by taking the second partial derivative of P with respect to X . See Hanushek and Jackson, 1977, p. 189.) This type of estimation procedure automatically allows for interaction between the exogenous variables. This makes sense since, unlike a regression equation, our

hypotheses in a logit environment are concerned with the explanatory power of different specifications of the model. Tests of significance for particular variables, or groups of variables, are conducted using Chi-square rather than t-statistics, and the explanatory power of a particular model specification (e.g., Model 1 versus Model 2 versus Model 3) is evaluated in terms of an overall model Chi-square rather than an R^2 statistic.

Note that the largest partial derivative for a logit coefficient occurs in the neighborhood of $P=.5$. This suggests that the influence of an independent variable diminishes as the expected probability of retention approaches either 0 or 1.

In the results presented in Chapters 5 and 6, we have transformed the estimated logit coefficients according to equation (5b). This should assist in drawing inferences from the empirical models. The mean probabilities used in the transformations are also noted to permit recalculation of other partial effects under different retention assumptions.

Elasticities. The partial derivatives obtained from the above procedure are used to calculate retention elasticities with respect to military compensation and tastes. Elasticities are dimensionless numbers, standardizing across variables with different units of measure. Elasticities measure the percentage change in one variable (retention) in response to a given percentage change in another (compensation or tastes).

$$\text{elasticity}_{xp} = \frac{\partial P^*}{\partial X} [\bar{X} / \bar{P}]. \quad (5)$$

where \bar{P} and \bar{X} are group means. Elasticities may be evaluated for the entire population or for specific subgroups. We have done both and the results are discussed in the following two chapters.

5. ANALYSIS OF RETENTION: ENLISTED PERSONNEL

This chapter investigates the factors that encourage and discourage retention among enlisted personnel with 2 to 11 years of service. This period is of special interest to force planners because it encompasses the time during which individuals are most involved in decisions to extend, reenlist, or exit from the military.

The presentation of results is divided into three parts: (1) effects of compensation on retention; (2) role of tastes for the military versus civilian employment; and (3) influence of personal and military characteristics on individual stay-leave decisions. The findings discussed below are based on a DoD-wide retention model; Service-specific results are presented in Appendix D.

5.1 Compensation Effects

Our analysis looks at how ACOL affects retention decisions by decomposing it into its principal components: current pay differentials, potential military retirement benefits, and expected reenlistment bonuses. The analysis also examines how retention differs among those who did and did not receive a bonus during their current term of service.

Table 5.1 contains estimates of the effects of compensation on the probability of staying at least one more year in the military. The table presents the partial derivatives on retention rather than the logit coefficients, for reasons discussed in Chapter 4. These findings are based on a retention model that controls for variation stemming from other sources such as personal and military-related characteristics. Discussion of these latter variables is postponed for subsequent sections and for Table 5.5.

Enlistment Term and Prior Bonuses. Model 1 estimates the effects of the Term of Service-Prior Bonus variables. The results substantiate previous findings that the likelihood of retention (1) rises with term of service and (2) is lower among those who received a bonus during their current term. Controlling for other interpersonal differences, retention probabilities are 20 to 30 percentage points higher among second termers, and 40 to 50 percentage points higher among third termers than among persons in their initial term of service. The results also reveal considerable variation within each term of service group. Warner and Goldberg (1982) found similar differences in their study of Navy enlisted personnel. Our results suggest that the same phenomenon is operating across all four Services.

TABLE 5.1

ESTIMATED COMPENSATION EFFECTS ON ENLISTED RETENTION

| Variable | Model 1 | Model 2 |
|---|-------------|-----------|
| TERM-PRIOR BONUS | | |
| (Term 1-bonus) | (reference) | |
| Term 1-no bonus | -.0457** | |
| Term 2-bonus | .2067*** | |
| Term 2-no bonus | .3068*** | |
| Term 3-bonus | .4200*** | |
| Term 3-no bonus | .5484*** | |
| PRIOR BONUS | | -.2067*** |
| ACOL | .0048*** | |
| ACOL COMPONENTS | | |
| Current Pay Diff (Mil-Civ) | | .0022 |
| APV(Expected SRB) | | .0087 |
| Eligible for SRB | | -.0261 |
| APV(Retirement Benefit) | | |
| for the Army | | .6615*** |
| for the Navy(ship assignment) | | .3859*** |
| for the Navy(no ship assignment) | | .6078** |
| for the Marine Corps | | .5096*** |
| for the Air Force | | .8498* |
| Model Chi-Square | 1107*** | 2275*** |
| Sample Size | 6506 | 6506 |
| * denotes significance at the 10% level.
** denotes significance at the 5% level.
*** denotes significance at the 1% level. | | |

There are two complementary explanations behind the negative effect of prior bonuses on subsequent retention. First, bonuses tend to attract those who would have ordinarily left the military because of their subjective preferences for civilian employment. Second, individuals may choose to exit because of better pecuniary opportunities in the private sector, but the availability of bonuses offsets this relative advantage. Indeed, this is the rationale for the bonus program. Therefore, bonus recipients have better outside opportunities. Individuals induced to remain in the military because of a bonus will, other things equal, be less likely than others to stay beyond their current term.

Another version of Model 1 included YOS and Prior Service as separate explanatory variables. The unreported results show the same positive relationship between retention and time in service. However, the overall explanatory power of the original specification is more significant. This suggests that retention decisions coincide more closely with term of service than with YOS, or that the probability of staying changes in a nonlinear way across years of service.

The Term of Service-Prior Bonus variables are not included in Model 2 as indicated in Table 5.1. Rather, the receipt of a bonus is measured by a categorical variable which continues to display a negative effect on retention. The major reason for dropping the combination variables is that Term of Service is highly correlated with both YOS and the Annualized Present Value of Retirement Benefits variable. The latter two are closely linked, and both move in tandem with Term of Service. Hence, to minimize multicollinearity, Term of Service is omitted from Model 2.

Annualized Cost of Leaving (ACOL). A key element in Model 1 is the ACOL variable, which measures the annualized cost of leaving the military for each individual (Chapter 3 details its construction). ACOL combines into one variable the difference between current military and expected civilian pay, the annualized present value of SRBs for which a person is eligible, and the annualized present value of retirement benefits if an individual were to serve for 20 years and then retire.

The estimated effect of ACOL on retention, while statistically significant, is quite small compared to previous analyses using grouped data. The pay elasticity implied by our results is .11 which is of negligible importance. This finding is somewhat surprising in light of prior research that estimates a military pay elasticity of about 2.0 (Enns, Nelson, and Warner, 1983). One explanation for our finding is that the value of ACOL calculated for individuals in the DoD Survey is dominated by large expected civilian earnings relative to military pay. The average ACOL is about minus \$5000; the average pay difference is minus \$6000; and the average annualized present value of retirement benefits is approximately \$1000. We believe that previous estimates of ACOL calculated current pay differentials that hovered around zero.

The large difference between military and expected civilian earnings in our data may reflect widespread dissatisfaction with low military pay raises during the late 1970s. Ordinarily, we would expect a measure of expected earnings reported by individuals to be a more accurate gauge of civilian opportunities than an imputed variable based on a simple human capital model. If civilian job expectations are influenced by dissatisfaction with military pay, however, it is quite possible that the DoD Survey measure is in error. This would, in turn, affect the estimated coefficient on the ACOL model used in this analysis. One way to circumvent this problem is to split ACOL into components in order to isolate the potential errors in measurement

problem.

Decomposition of ACOL. An important objective of the analysis is to ascertain the elements in ACOL that underlie its positive relationship with retention. This is particularly germane for predicting the force structure effects of a major change in the current retirement system. Enns, Nelson and Warner (1983) illustrate the rise in the maximum calculated ACOL variable over YOS (see Appendix B for graph). Although the increase is quite modest for the YOS 2-11 interval examined in this study, the change in ACOL is driven primarily by the growth in the annualized present value of retirement benefits, APV(Ret), as YOS increases. The Fifth QRMC has confirmed this fact and has also found that estimated current pay differentials remain fairly constant across years of service. This suggests that the ACOL-retention linkage is essentially an APV(Ret)-retention relationship. To test this hypothesis we must decompose the ACOL variable into its components.

Model 2 replaces the single ACOL variable with its three components. In addition, Model 2 includes Service-APV(Ret) interaction terms that capture how the APV(Ret) effect for each Service differs from the Army. The coefficients on the interaction terms are used to construct Service-specific effects that are presented in Table 5.1. Note that the measures of statistical significance continue to reflect the respective differences in the APV(Ret) effect between each of the Services and the Army (the reference group). Other components of ACOL were found to be of minor importance and varied little across Services.

The current military-civilian pay differential has an effect on retention that is statistically significant, but of very small magnitude. An alternative pay differential was created by adding special pays and allowances to military pay. This raised the value of current military compensation and increased the average military-civilian pay differential. However, this alternative generally changed the pay differential by a constant amount and did not affect its coefficient. Moreover, its estimated impact on retention was even less significant than the former measure.

One problem is that misperceptions of civilian pay opportunities may bias the estimated coefficient toward zero. A second stems from the nature of the cross-section data used in the analysis. As discussed in Chapter 3, the earnings profiles for both military and civilian pay are quite similar in shape, although the latter tends to lie above the latter. This implies that differences between the two will not exhibit much variation over YOS. This fact, combined with a rising retention rate, results in a low correlation between the two at a given point in time (i.e., in a cross-section data file).

In order to obtain a clearer view of this relationship, time-series data are needed to provide sufficient variation in the pay differential to support analysis of its effect on changes in retention patterns over time. Therefore, a cross-section file is not well suited

for estimating how current military pay affects the retention behavior of individuals. This also implies that previous ACOL estimates probably reflected the influence of other compensation factors, namely the potential value of future retirement benefits embedded in ACOL.

The Annualized Present Value of Selective Reenlistment Bonus variable, APV(SRB), has an estimated impact that is small in size and statistically insignificant. A dummy variable denoting eligibility for an SRB is also included in the equation; only a third of the enlisted force in the DoD Survey has a positive APV(SRB) value. After controlling for Service, occupational specialty and other characteristics, there does not appear to be a systematic relationship between retention and SRB eligibility or its conditional annualized value.

This finding, however, may be misleading. The bonus program is designed to offer financial inducements to personnel in areas experiencing retention problems. Hence, we would not be surprised to observe a negative relationship between SRBs and retention. This is because the SRB variable is capturing demand-side effects (force management) as well as supply-side responses to financial incentives. The two will tend to offset one another. Despite the availability of bonuses, our results indicate that some occupational areas were having difficulty in retaining personnel in 1979.

The most interesting finding concerns the estimated relationship between retention and the Annualized Present Value of Retirement Benefits, APV(Ret). This form of delayed compensation has a dominating effect. An increase in APV(Ret) is estimated to raise the probability of staying in the military. Note that APV(Ret) is measured in thousands of dollars, so that a \$100 increase, which reflects about a 10% increase in the average value of APV(Ret), would increase the probability of retention 6.6 percentage points for Army enlisted personnel. An analogous implication holds for reductions in the retirement program. Recall that these effects apply only to changes in retention from its average value. The estimates, of course, could be used to compute how the impact of changes in APV(Ret) begins to decline for persons or groups with very low or high retention, or how the APV(Ret) effect begins to diminish as its changes become larger and larger.

The Model 2 results presented in Table 5.1 show that the current retirement system appears to have the greatest drawing power for the Air Force, followed by the Army and Navy personnel not assigned to a ship. A \$100 increase in APV(Ret) would generate an 8.5 percentage point increase in Air Force retention above its 1979 average rate, compared to a change of 6.6 percentage points for the Army and 6.1 percentage points for Navy non-ship personnel. Marine Corps and Navy personnel assigned to a ship also respond positively to the retirement system, but the relationship is not as strong -- a 5.1 and 3.9 percentage point increase, respectively, due to a \$100 increase in APV(Ret). In estimating these Service-specific effects, we used the respective average YOS 2-11 retention rates (based on weighted means calculated

from the DoD Survey) to obtain predictions most relevant to each Service.

A better way to assess the effects of the current retirement system on retention is to calculate elasticities for each of the Services (including a distinction for Naval personnel assigned to ships). Table 5.2 presents the retention elasticities with respect to APV(Ret): the percentage change in the probability of staying in the military in response to a 1% change in APV(Ret). For example, an elasticity of 2.0 implies that a 1% increase (decrease) in APV(Ret) will generate a 2% increase (decrease) in retention.

TABLE 5.2
RETENTION ELASTICITIES: RETIREMENT BENEFITS
(Enlisted Personnel)

| Service | YOS 2-6 | YOS 7-11 | YOS 2-11 |
|---------------|---------|----------|----------|
| Army | 1.53 | 2.08 | 1.87 |
| Navy(ship) | 1.51 | 2.57 | 1.68 |
| Navy(no ship) | 1.75 | 2.55 | 2.23 |
| Marine Corps | 1.56 | 2.02 | 1.89 |
| Air Force | 2.33 | 2.37 | 2.35 |
| DoD | 1.63 | 2.15 | 2.09 |

Given the formula for constructing an annuity, an across-the-board percentage change in base pay, or in the retirement annuity, changes APV(Ret) by the same proportion. Similarly, a given percentage change in the present value of future benefits, caused by a change in the cost-of-living adjustment, will result in the same percentage change in APV(Ret). Hence, the above elasticities are useful tools for predicting the force implications of contemplated alternatives to the current retirement system.

The results in Table 5.2 suggest that retirement policy decisions should not assume uniform APV(Ret) elasticities for the Armed Forces. Specifically, the Air Force appears to exhibit much greater sensitivity to changes in retirement benefits than the other Services (after controlling for other sources of variation). Army and Marine Corps personnel responses are found to be quite similar, while the Navy displays considerable heterogeneity.

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Because past analyses using the ACOL model have focused primarily on the Navy, it is useful to examine the correspondence between our results and earlier findings. Warner and Goldberg (1981) estimate separate military pay elasticities for sea-intensive occupations of 1.5 to 1.8, and an elasticity of nearly 3.0 for occupations characterized by little or no sea duty. Our Navy YOS 2-11 elasticities of 1.7 and 2.2 for personnel assigned and not assigned to a ship, respectively, display a pattern very similar to that of Warner and Goldberg. This accumulation of evidence suggests that ship assignment has a significant effect on Navy retention.

A second general finding is that retention elasticities with respect to APV(Ret) are higher for individuals at YOS 7-11 than for those at YOS 2-6. Referring to the DoD results, we find that the elasticity rises from 1.63 to 2.15 as we move from the younger to the older enlisted group. This implies that personnel in YOS 7-11 are closer to the margin in terms of their stay-leave decisions. On reflection, this is reasonable. However, it conflicts with conventional wisdom. The older cohort is more likely to be engaged in making a military career decision than the younger cohort. This behavior would be consistent with their greater sensitivity to perceived retirement benefits than those with fewer years of service. The single Service exception is the Air Force, which has a fairly constant elasticity. It is possible that Air Force enlisted personnel make their career decisions earlier than those in other Services.

The DoD-wide retirement elasticity appears to be similar to earlier findings that estimated military pay elasticities in the neighborhood of 2.0. However, a direct comparison is not possible. Our model specification is quite different because we decompose ACOL and analyze a sample that is distributed over a wider YOS period than previous studies. Our derived APV(Ret) elasticity implies that the retirement system has a large effect on current retention decisions -- much larger than would be predicted if a military pay elasticity of 2.0 were applied to a change in retirement benefits.

The pay elasticity is evaluated with respect to military pay. Our retirement elasticity is evaluated with respect to the annualized present value of retirement benefits, which is a relatively small component of military pay (at a given YOS). The equality between the two elasticities arises from the fact that our logit coefficient on APV(Ret) is much bigger than the coefficient estimated on ACOL in previous analyses. This counterbalances the difference between average military pay and APV(Ret) and underlies the similarity in the two elasticities.

There are two explanations for the above disparity in predicted effects of retirement benefits on retention. First, our estimated APV(Ret) effect is probably biased upward. Recall that YOS is excluded from Models 2 and 3 because of its high correlation with APV(Ret). Hence, the estimated coefficient on APV(Ret) reflects both the pulling effect of the retirement system on retention, and any additional

influence of YOS on retention that is independent of APV(Ret). The latter may be linked to unobserved tastes that increase with YOS according to the selectivity argument. Selectivity may also be imposed by the Services in their efforts to shape the force. Unfortunately, it is difficult to disentangle these effects.

A second explanation concerns the estimates obtained by previous studies using a single ACOL term. Their derived retirement effects on retention are probably biased downward for two reasons. First, these analyses did not decompose ACOL to test for differential effects by source of income. Second, the primary focus of these studies is on retention in the first-term during which the retirement system has very little monetary value. Therefore, the estimated ACOL coefficient would not reflect the influence of future retirement benefits. However, this may not be the case for personnel at higher YOS for whom the retirement system has greater financial meaning.

Warner and Goldberg (1982) examined retention models for both first-term and second-term Navy enlisted. They found that the estimated coefficient on ACOL was higher for the second-termers than for the first-termers. This suggests that the impact of the imbedded retirement component in ACOL may begin to manifest itself as YOS increases. In this analysis, we investigate retention over a much wider YOS span — years 2 to 11. It is not surprising that the retirement system would play a greater role for our more diverse sample. In summary, we believe that the true effect of retirement benefits lies somewhere between the two sets of estimates. Further research in this area will be required to narrow the difference.

5.2 Influence of Tastes on Retention Decisions

An individual's taste for military versus civilian employment, apart from compensation, is a key theoretical determinant of retention. Other things equal, someone who prefers the military over the civilian sector is more likely to remain in the Service than another with lower preferences. Research on stay-leave decisions acknowledges the underlying importance of tastes in modeling individual retention behavior. Unfortunately, the absence of viable measures of employment preferences has restricted the role of tastes to one of only theoretical relevance. It has not received any empirical confirmation in the military retention literature. This information gap is serious because it raises several questions regarding the accuracy of retention models estimated to date.

Most manpower experts believe average tastes rise as YOS increases. One possibility is that persons grow to like military service with greater experience and greater rank and responsibility. A more important reason is the self-selection process. Over time individuals tend to select themselves in or out of the military according to their tastes for military service — i.e., those who like the military tend to

stay. Thus, average tastes will be greater for older cohorts than younger ones. This argument does not require a person's tastes to change over time. Rather, individual tastes may remain constant while the mix of people changes as the selection process unfolds.

The taste-selectivity linkage has significant policy ramifications. For example, if changes to the military retirement system were to substantially change the taste distribution of the force, then policy-makers should expect to see a different force with respect to size and composition. The nature of this change, of course, would depend on the contemplated policy alternative. Predicting such an occurrence requires two pieces of information. First, the quantitative relationship between retention and tastes must be ascertained. Second, the effect of a compensation policy change on the taste distribution must be predicted. Our analysis sheds new light on the first requirement by estimating the direct influence of tastes on individual retention decisions.

A second policy implication concerns the relationship between military compensation and retention. Predictions of how a change in pay will affect the size and shape of the force rest on current empirical models of retention behavior. However, these models do not control for tastes. This would be a serious shortcoming if the estimated retention-compensation link were biased, because it would generate misleading forecasts. A biased compensation (or ACOL) coefficient would result from the exclusion of tastes, if the latter is correlated with both retention and compensation. In light of the policy importance of predictions based on estimated retention models, it makes sense to assess the potential bias that may exist when tastes are excluded. This study estimates alternative model specifications to evaluate this possibility.

Tastes are not ignored by theoretical models of individual decision-making. However, because preferences typically are unobserved, tastes are usually subsumed in the random disturbance term of the empirical model. This implies that for a given set of independent variables posited to influence behavior, individuals will exhibit unexplained retention variation because of omitted factors, such as tastes, and random elements captured in the error term. The ACOL model assumes that tastes and other excluded factors are distributed randomly and display a logistic, or S-shaped pattern with respect to stay-leave decisions. This assumption underlies the use of logit models to estimate the probability of retention.

Our analysis attempts to improve upon earlier research by addressing directly the role of tastes in the retention decision. This imposes two requirements on the data. First, a relative measure of military-civilian employment preferences is needed. An absolute measure of tastes for the military is inappropriate for the same reason that military compensation, without civilian opportunities, reflects only one side of the push-pull incentive. Hence, an individual's appraisal of the

military versus the civilian sector is most desirable. Second, subjective evaluations of several nonmonetary dimensions of the job are needed to provide a richer notion of job preferences. This approach emphasizes individual job satisfaction regarding specific job attributes not already encompassed in the compensation variables.

The DoD Survey provides an unique opportunity to pursue this line of inquiry. The Survey queried respondents about their perceptions of seven nonmonetary aspects of their military job versus what they would expect in the civilian sector. The survey responses enable us to construct measures of taste that are both relative in nature and apply to nonpecuniary attributes of employment. The relevant survey questions are described in Chapter 3.

Despite the richness of the taste measure derived from the DoD Survey, measurement problems of unknown dimensions remain. This is because tastes represent an exceedingly difficult concept to quantify. They reflect the interplay of specific job characteristics, and the subjective evaluations of each, from the perspective of an individual. The true notion of tastes or employment preferences has eluded measurement by social scientists because of the limits inherent in dealing with the human psyche. These problems, of course, do not diminish the importance of tastes. Rather, they usually prevent researchers from assessing their role in the decision-making process.

While recognizing these measurement problems, we believe that the relative taste measure created from the DoD Survey is positively correlated with its theoretical construct. The measure used in Model 3 probably captures several important facets of relative employment preferences. This implies that the estimated effect of taste on retention yields useful information on the taste-retention relationship. Our confidence in the constructed taste measure is bolstered by the fact that the estimated effects make good sense. The following discussion address (1) the independent influence of tastes on retention, and (2) how previous compensation estimates may be biased when tastes are excluded from the retention model.

Effect of Tastes on Retention. Model 3 uses a composite index of individual tastes for the military versus civilian employment. The index is created from four separate job satisfaction components that were found in preliminary analysis to be significantly related to retention: (1) "having a say in what happens to me", (2) "chance for interesting and challenging work", (3) "job security", and (4) "location of the job". Responses on each item ranged from a low of 1 to a high of 5 (civilian job would be a lot better, slightly better, about the same, slightly worse, or a lot worse than the present military job).

Responses averaged about 1.7 on each job satisfaction element, except for job security, which averaged about 3. Individual scores on the four variables were summed together and divided by 4 to obtain an overall index scaled similarly to its components. Table 5.3 contains the

estimated influence of relative tastes on retention probabilities for the DoD enlisted force from YOS 2 to 11.

TABLE 5.3

EFFECT OF TASTES ON RETENTION PROBABILITIES
(Based on DoD retention rate of 32%)

| Taste Variables
(Mean Value) | Partial Derivative
(Chi-Square) | Elasticity |
|---------------------------------|------------------------------------|------------|
| OVERALL TASTE INDEX (2.1) | .22 (345.9)*** | 1.44 |
| TASTE COMPONENTS | | |
| Having a Say (1.7) | .04 (22.5)*** | .21 |
| Interesting Work (1.8) | .09 (114.2)*** | .51 |
| Job Security (3.1) | .04 (35.2)*** | .38 |
| Job Location (1.6) | .04 (19.1)*** | .20 |

*** denotes significance at the 1% level.

The results Table 5.3 underscore the quantitative importance of job satisfaction to individual stay-leave decisions. Although enlisted personnel, on average, ranked their military jobs slightly lower than what they expected in the civilian sector (Index score of 2.1), a unit increase in the index would raise retention by 22 percentage points, and vice versa. The findings suggest that stay-leave decisions are very sensitive to underlying satisfaction with military employment. The calculated elasticity implies that a 10% increase in the Taste Index would generate a 14.4% increase in the likelihood of staying.

These results suggest that the Services must offer substantial pay inducements to attract individuals with low satisfaction with their military jobs. And, if the inducements were temporary, one would predict relatively high exit rates once they ceased. The negative relationship between retention and receipt of prior bonuses may be capturing some of this effect. On the other hand, individuals highly satisfied with their military jobs may be willing to accept relatively low pay (including deferred compensation) and still remain in the military. For example, a reduction in retirement benefits for the highly satisfied would probably have a minor effect on retention. This is because the taste factor will tend to dominate except for major reductions in the present value of military compensation.

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However, policy-makers should not rely too heavily on positive job satisfaction to offset large reductions in pay. Tabular analysis of the Taste Index reveals that 50% of the enlisted force have tastes in excess of 2; 25% have tastes greater than 2.5; and only 10% have tastes beyond 3 -- an index value associated with rough comparability between military and civilian employment. This suggests that only a small fraction of enlisted personnel have sufficiently strong tastes for the military to overcome a large reduction in pay. Other things equal, about 10% of the force are predicted to be at least 22 percentage points more likely to stay in the military compared to otherwise similar persons at the mean (Index of 2).

The apparent disadvantage to working in the military, in terms of nonpecuniary factors, corroborates the conventional wisdom that military personnel should be compensated for the disamenities associated with military employment. (Our measure does not include differences in safety and risk of death between the two sectors.) Alternatively, the Taste Index may overstate the extent to which service members are truly dissatisfied. Although the estimated retention-taste linkage is valid, the point of indifference, as measured by the survey responses, is less certain.

These findings suggest that alternative compensation and benefit systems that would attract a different type of personnel in terms of average tastes for the military would also be faced with a different mix of individual retention propensities. As research continues in this area, better information may be generated to assist force planners in predicting these effects. From the above findings, it appears that large forecasting errors may be present if the distribution of tastes is affected by policy changes. If this is not the case, or if changes to the compensation system are marginal, we believe that prediction models that ignore tastes will not be too far off the mark.

Noncompensation policies may play an important role in shaping the force structure. To the extent that our taste variable reflects relative job satisfaction, the Services may be able to exert some control over their retention rates by changing certain aspects of the military job. For example, rotation policies may affect individuals' perceptions of the military which, in turn, bear on their decisions to stay or leave. Additional analysis was conducted to explore this possibility. Model 3 was reestimated using the four components of the Taste Index in order to discern the extent to which the separate elements had differential effects on retention probabilities. These findings are also presented in Table 5.3.

When the model is reestimated using the four taste components, the statistical significance of the overall specification remains essentially unchanged. This suggests that very little explanatory power is lost when the four job satisfaction components are combined. Note that the estimated coefficients on the four components are quite small compared to the Taste Index. Interestingly, the four coefficients sum to

a value close to the Index's coefficient, even though the components and the Index are scaled the same (1 to 5) and have similar mean values. The same holds for the elasticities. One interpretation is that satisfaction with various job attributes has a cumulative impact on retention. Each element of employment contributes to an individual's overall evaluation of his job vis-a-vis the civilian sector. Thus, the components used in this analysis appear to measure different facets of tastes or job satisfaction.

These findings suggest that having a job with "interesting and challenging work" has twice the impact on retention than the other three. However, none of the components has a very large effect by itself. Therefore, the Services would have to make a coordinated effort to raise job satisfaction across several job dimensions to have a large effect on retention.

Also of interest is that several job elements do not appear to have significant effects on retention. These include three work conditions addressed by the DoD Survey: (1) "immediate supervisors," (2) "people I work with," and (3) "the work schedule and hours of work". The factor most controllable by the Services would be the work schedule and hours, but this does not appear to be germane to stay-leave decisions.

Omitted Error Bias. As noted earlier, the omission of tastes from the retention equation may result in biased estimates on the compensation variables. The potential for bias increases as the correlation between compensation and taste increases, and the closer is the tie between retention and tastes. Bias will not occur if either of the above pairs is not correlated. If the compensation coefficients are positively biased, then predicted changes in retention due to a change in military pay will be overstated. Comparisons between Models 2 and 3 are used to examine this likelihood. In particular, retention elasticities are calculated with respect to the Annualized Present Value of Retirement Benefits variable, APV(Ret). Table 5.4 displays the elasticities for the YOS 2-11 period, with and without the inclusion of tastes in the estimating equation.

The elasticities in Table 5.4 demonstrate the sensitivity of the APV(Ret) effect to whether or not tastes are included in the model. Comparing the two columns shows that predicted compensation effects on retention are 10% smaller when tastes are included. Estimated compensation effects tend to pick up some of the influence of tastes on retention when the latter is omitted from the empirical model. That is, the effects are larger than they should be (the estimates are biased), because tastes and APV(Ret) are correlated and because tastes influence stay-leave decisions. Hence, the retention predictions based on models without taste will be overstated, resulting in misleading policy implications.

TABLE 5.4

EFFECTS OF TASTES ON THE APV(RET) ELASTICITY
(Based on DoD and Service retention rates)

| Service/DoD | Model 2
(Tastes Excluded) | Model 3
(Tastes Included) | Percentage
Change |
|----------------|------------------------------|------------------------------|----------------------|
| Army | 1.87 | 1.64 | -12.3 |
| Navy (ship) | 1.68 | 1.48 | -12.0 |
| Navy (no ship) | 2.23 | 1.98 | -11.2 |
| Marine Corps | 1.89 | 1.67 | -11.6 |
| Air Force | 2.85 | 2.71 | - 4.9 |
| DoD-wide | 2.00 | 1.89 | - 9.6 |

The inclusion of tastes in the models reduces the calculated Service elasticities by 5% to 12%. The Air Force has only a 5% reduction. In a sense, the Air Force appears to be a more homogeneous force with respect to tastes than the other Services. For the DoD as a whole, we estimate that the retirement benefit elasticity is about 10% too high when tastes are not taken into account.

Taken at face value, these results suggest that selectivity may not pose too grave a problem for estimating compensation effects on retention. Insofar as we are able to measure tastes by using a relative job satisfaction index, selectivity does not appear to be a dominant factor. Exclusion of our taste measure has only a minor impact on the estimated APV(Ret) coefficient as implied by the elasticities in Table 5.4. Furthermore, tabular analysis shows only a small increase in the Taste Index over YOS, but substantial variation within YOS groups. Both of these findings imply that, within the confines of the DoD Survey, tastes seem to be a better predictor of retention within a YOS cohort than across cohorts.

These results, however, should not be over-interpreted. The job satisfaction measure used in this analysis, while certainly correlated with the conceptual notion of tastes, is unlikely to capture the full range in tastes. This may be a particular problem to the extent that the unobserved portion tastes varies over YOS. Therefore, an important caveat is that even when the Taste Index is included in the model, unobserved taste elements, correlated with YOS, may manifest themselves through the estimated coefficient on APV(Ret).

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5.3 Personal and Military Correlates of Retention

The discussion thus far has examined the role of compensation and tastes on retention decisions; other sources of variation such as military and personal characteristics have been held constant. Controlling for these variables is essential to isolate the independent effects of compensation and tastes. This section shifts the discussion to the role of personal and military characteristics as determinants of retention. Knowledge of how these factors influence stay-leave decisions will promote a better understanding of retention behavior. In turn, this should facilitate the Services' efforts to manage their enlisted forces with greater precision.

The following discussion is divided into two parts: (1) presentation of the military correlates of retention, and (2) interpretation of the personal characteristics associated with individual stay-leave decisions. Model 3 forms the primary basis for the analysis. Before proceeding, the rationale for using Model 3 warrants some explanation. Recall that Model 1 specifies a unified ACOL variable; Model 2 differs principally in that it decomposes ACOL into three parts. Model 3 builds on the latter by introducing tastes.

The results in Table 5.5 reveal differences across the three models with respect to the estimated effects of personal and military characteristics. Changes occur when APV(Ret) and tastes are introduced in Models 2 and 3. When these terms are excluded, the coefficients on personal and military variables reflect a misspecification bias. By adding tastes and the APV(Ret), the model is more properly specified, and the bias is reduced.

The following discussion refers to the DoD-wide findings presented in Table 5.5. Separate model estimation was conducted for each of the four Services. These results are contained in Appendix D, which should be consulted to assess the estimated relationships unique to each Service. A number of significant differences emerge which reinforce the notion that each Service is a distinct organization facing a unique labor supply curve.

Military Correlates of Retention. After controlling for a variety of factors, Model 1 estimates higher predicted retention for the Air Force and for Navy personnel not assigned to a ship. However, when ACOL is decomposed, the Navy-no ship distinction disappears and the Air Force effect becomes significantly negative. When tastes are included, the Air Force effect becomes even more negative. In light of the differences between the models, the data suggest that Air Force personnel tend to have lower discount rates and higher tastes for the military — a phenomenon that was previously captured by the Service affiliation variable.

The analysis pinpoints a number of occupational areas encountering problems in retaining personnel. Even after controlling for

other correlates of retention, we find that five occupational groupings experienced difficulty in 1979 relative to the omitted reference group (DoD 1-digit occupational code 5 -- Functional Support and Administration). Using DoD 1-digit occupational codes, the analysis finds that personnel in the following areas had retention probabilities significantly different from the Administrative group (probability difference in parentheses):

- o Electronic Repair (- 21 percentage points)
- o Communications and Intelligence (- 6 percentage points)
- o Medical and Dental (- 13 percentage points)
- o Electrical and Mechanical Repair (- 7 percentage points)
- o Other Technical and Allied Specialist (+ 8 percentage points)

These findings confirm the Services' historical retention problems in these areas. It is interesting to note that retention propensities continue to differ substantially by occupation even after controlling for such factors as pay and SRBs, tastes, Service, and personal attributes. These results suggest that persons in the first four fields noted above have skills that are in high demand in the civilian sector. Since this enhances outside job prospects, the chances of leaving the military increase commensurately. Also of interest is the similarity in retention among the following occupations: Functional Support and Administration, Infantry/Seaman/Gun Crew, and Craftsman.

Personal Correlates of Retention. The most important demographic characteristic related to the probability of retention is race. Blacks are 22 percentage points more likely to remain in the military than otherwise similar nonblacks. This relatively high propensity may reflect the combination of greater perceived discrimination in the civilian sector, and better training and job advancement possibilities in the military. The race effect, however, is less pronounced in the Marine Corps (about 11 percentage points) than in the other Services.

Note that the probability of retention for blacks is higher when APV(Ret) is included in Model 2 versus Model 1. In a previous analysis, Black (1983) found that blacks had higher discount rates than nonblacks, which would lessen the size of discounted retirement benefits. Because this effect is not adequately captured by the ACOL variable in Model 1, the estimated net effect on "black" is the sum of the positive independent race relationship with the negative discount rate effect.

The analysis finds that retention is no more likely for males than for females. Separate analysis of the sample stratified by sex corroborates this finding. An individual's age relative to his cohort, measured by a dummy variable for individuals whose age at entry was greater than 19 years, has a positive influence on retention. The data suggest that, after controlling for discount rates via the APV(Ret) term and tastes, older entrants display a stronger commitment to the military. We speculate that such individuals are more informed of civilian opportunities than their younger counterparts. If the former

opted for the military after gaining some civilian work experience, then their enlistment reveals a stronger preference for the military, on average, than those who entered directly from high school.

Family status plays an important role in the stay-leave decision. Such a general conclusion is not surprising, yet previous studies have offered little in the way of empirical confirmation. The 1978 DoD Survey provides such an opportunity, although our analysis is only a first step in this area. Specifically, we examine how retention is influenced by marital status and spouse employment. We anticipate that family circumstances matter because career planning often involves joint decision-making by couples, a process that may increase in complexity when the spouse is employed.

The estimation finds that single persons (the reference group) and married service members with a spouse employed in the civilian sector have lower retention probabilities than others. In general, we would expect the former to have few family responsibilities and be less inhibited in terms of career mobility. Also, single male members have better prospects for finding a spouse outside of the military. Contrarily, we find that divorced, widowed, or separated persons display a greater chance of staying in the military (5.4 percentage points higher than single individuals). One explanation is that individuals experiencing family disruptions may need support that they derive from their military peers. This form of bonding would raise retention propensities. Another view (with respect to divorced and separated persons) is that the marital problems of such individuals may actually be a consequence of their involvement in the military.

Retention is also lower for those with spouses in a civilian job who have a greater stake in the present geographic location. Because staying in the military almost certainly leads to reassignment, such location-specific assets are at risk. This constitutes a real cost to continued service if future job prospects in other locations are perceived to be worse. The higher this opportunity cost, the lower is the likelihood of remaining in the military.

In contrast, retention is higher for those whose spouse is not employed. These people are not confronted with location ties created by civilian employment. The data are consistent with the notion that these families have lower military transfer costs in terms of potential loss of spouse employment. This phenomenon is interesting because it relates to military pay. If low current compensation encourages spouse employment to supplement family income, then these findings suggest a secondary effect on retention due to under-paying military personnel.

Compared to the reference group of single persons, we find that retention is 7.4 percentage points higher among individuals with a spouse serving in the military. This significant effect demonstrates a joint commitment to military service that is not captured by the tastes variable. The relationship between this measure of revealed preference

and tastes is underscored by the decline in the estimated "spouse employed in the Armed Forces" variable when tastes are included in Model 3 versus Model 2. Although Service rotation and transfer policies are rendered more complicated by dual military employment, the results indicate that this group will be more likely to stay than leave.

Educational attainment displays a systematic relationship to retention, holding constant the influence of other factors. As expected, individuals without a high school diploma exhibit a 9.6 percentage point higher probability of remaining in the military than otherwise similar persons who did graduate. The former are less likely to face career opportunities in the private sector that match those in the Services. Perhaps the military is less conscious of degrees than the civilian sector (a sheepskin effect). Also, the military keeps only the best of the non-high school graduates, but probably loses the "best" of the high school graduates. Alternatively, the Services may tend to promote personnel more automatically, according to tenure, than civilian employers. This also would raise the expected lifetime earnings of less educated persons, which would have a positive influence on retention decisions.

Somewhat surprisingly, we find that individuals with some post-secondary education display a modest 3.5 percentage point higher probability of retention than high school graduates. This suggests that the military does not necessarily lose its more highly educated and perhaps better skilled members. One explanation may be that these people tend to stand out from the rest and are consequently on a faster promotion track. If this is the case, or if individuals perceive this to be true, then the future returns to a military career would be higher than otherwise, thereby raising retention in this group.

Financial assets may also influence stay-leave decisions, although data limitations have generally restricted investigation of this, path of influence. The DoD Survey collected information on nonmortgage debts, financial assets (cash, bank accounts, and securities), and whether or not an individual owned a home. Among those enlisted personnel who had financial assets, estimated retention is 12.4 percentage points lower than those without any savings. This intriguing result is consistent with job search theory. Individuals contemplating a job change are presumed to weigh the expected benefits and costs of a move. Costs will be incurred to the extent that there is intervening unemployment, a geographic move is required, and expenditures made to seek out employment. Possession of liquid assets should reduce the financial risk of moving from the military to the civilian sector. This, in turn, would facilitate an exit decision.

Homeownership is found to have a significant influence on retention. Homeowners are estimated to have a 7.6 percentage point lower probability of staying in the military than renters, on average. This makes sense since the former have demonstrated an attachment to their current community. Moreover, homeowners would incur greater transaction

costs upon reassignment than renters. Both of these factors may contribute to a greater reluctance to move from the present location, a very real possibility with continued military service.

In summary, the analysis yields a number of insights into what personal characteristics underlie the stay-leave decision. These findings, coupled with the compensation and tastes results, should provide useful information to the DoD and the Services. In particular, this analysis should provide important technical support in the application of retention models such as ACOL to assess the force implications of alternative compensation and manpower policies.

TABLE 5.5 ESTIMATED DETERMINANTS OF ENLISTED RETENTION

| Variable Name | MODEL 1 | | MODEL 2 | | MODEL 3 | |
|---------------------------------|--------------------|-------------|--------------------|-------------|--------------------|-------------|
| | Partial Derivative | Chi-Square | Partial Derivative | Chi-Square | Partial Derivative | Chi-Square |
| Intercept | -0.3547 | 131.75 *** | -0.4698 | 259.01 *** | -1.1032 | 417.83 *** |
| TERM/PRICR BONUS (Term 1-bonus) | | | | | | |
| Term 1-no bonus | -0.0457 | 5.16 ** | | | | |
| Term 2-bonus | 0.2067 | 99.22 *** | | | | |
| Term 2-no bonus | 0.3068 | 112.19 *** | | | | |
| Term 3-bonus | 0.4230 | 98.17 *** | | | | |
| Term 3-no bonus | 0.3184 | 156.31 *** | | | | |
| PRICR REENLISTMENT BONUS | | | -0.2067 | 103.30 *** | -0.2045 | 89.87 *** |
| COMPENSATION | | | | | | |
| ACOL | 0.0048 | 12.39 *** | | | | |
| Current Pay Diff (Mil-Civ) | | | 0.0022 | 2.30 | -0.0028 | 2.72 * |
| AF/Expected SRB | | | 0.0007 | 0.83 | 0.0011 | 0.01 |
| Eligible for SRB | | | -0.0261 | 1.06 | -0.0094 | 0.12 |
| AF-RETIREMENT | | | | | | |
| for the Army | | | 0.6615 | 342.09 *** | 0.3796 | 238.55 *** |
| for the Navy-Ship Assignment | | | 0.3059 | 15.09 *** | 0.3436 | 12.01 *** |
| for the Navy-No Ship Assignment | | | 0.4078 | 6.33 ** | 0.3414 | 3.56 * |
| for the Marine Corps | | | 0.5096 | 10.46 *** | 0.4496 | 6.78 *** |
| for the Air Force | | | 0.8498 | 3.20 * | 0.8112 | 6.94 *** |
| TALE: Military vs Civilian | | | | | 0.2198 | 345.89 *** |
| SE/ICE (Army) | | | | | | |
| Navy-Ship Assignment | -0.0239 | 1.37 | 0.0370 | 0.45 | 0.0370 | 0.37 |
| Navy-No Ship Assignment | 0.0348 | 2.91 * | -0.0196 | 0.14 | -0.0244 | 0.30 |
| Marine Corps | 0.0152 | 0.47 | 0.0218 | 0.21 | -0.0022 | 0.00 |
| Air Force | 0.0675 | 11.53 *** | -0.1676 | 7.32 *** | -0.2568 | 18.94 *** |
| ACC/PATICH (Aircraft) | | | | | | |
| Inventory, Seaman, Gun Crew | -0.0783 | 10.48 *** | -0.0305 | 1.25 | -0.0283 | 0.94 |
| Electronic Repair | -0.1327 | 30.18 *** | -0.2285 | 66.46 *** | -0.2089 | 51.19 *** |
| Communications/Intell. | -0.0309 | 1.72 | -0.0827 | 0.32 *** | -0.0609 | 4.00 ** |
| Medical/Dental | -0.1044 | 10.42 *** | -0.1480 | 16.93 *** | -0.1284 | 10.94 *** |
| Other Tech/Allied Spec. | 0.0326 | 0.60 | 0.0566 | 1.45 | 0.0849 | 3.01 * |
| Elec/Mech Repair | -0.0479 | 6.93 *** | -0.0892 | 18.43 *** | -0.0740 | 11.05 *** |
| Craftsman | -0.0326 | 0.90 | -0.0479 | 1.51 | -0.0522 | 1.49 |
| Service/Supply | -0.0348 | 2.09 | 0.0044 | 0.02 | 0.0174 | 0.39 |
| AGE (White) | | | | | | |
| Black | 0.1088 | 42.67 *** | 0.2568 | 192.51 *** | 0.2198 | 114.36 *** |
| SEX (Male) | | | | | | |
| Female | 0.0239 | 1.16 | 0.0174 | 0.50 | -0.0022 | 0.02 |
| AGE AT ENTA/ (19 or less) | | | | | | |
| 1-19 yrs. | 0.0152 | 1.24 | 0.0370 | 4.91 ** | 0.0283 | 2.69 * |
| CAPITAL STATUS (Single) | | | | | | |
| Divorced/sep. | -0.0109 | 0.20 | 0.0541 | 4.21 ** | 0.0544 | 3.73 * |
| Spouse in Military | 0.1110 | 13.79 *** | 0.0907 | 8.42 *** | 0.0740 | 4.41 ** |
| Spouse working (civilian) | 0.0435 | 5.22 ** | -0.0218 | 1.04 | -0.0152 | 0.43 |
| Spouse not working | 0.1048 | 41.51 *** | 0.0522 | 7.63 *** | 0.0522 | 6.56 *** |
| EDUCATION (High School Grad) | | | | | | |
| < High School | 0.0196 | 0.27 | 0.1153 | 8.43 *** | 0.0957 | 4.34 ** |
| > High School | 0.0392 | 7.70 *** | 0.0239 | 2.36 | 0.0348 | 4.19 ** |
| FINANCIAL ASSETS | | | | | | |
| Debt > \$500 | 0.0522 | 13.66 *** | 0.0044 | 0.05 | 0.0218 | 1.53 |
| Savings > \$500 | 0.0366 | 9.51 *** | -0.1044 | 27.04 *** | -0.1540 | 30.02 *** |
| Homeowner | -0.0392 | 4.17 ** | -0.0870 | 15.32 *** | -0.0762 | 10.42 *** |
| MODEL Chi-SQUARE | | 1167.09 *** | | 2275.29 *** | | 2473.20 *** |
| SAMPLE SIZE (D.F.) | 6506 | (150) | 6506 | (133) | 6048 | (134) |

Notes to Table 5.5

Partial derivative = $B * P (1 - P)$.

where B: logit coefficient
P: probability of retention.

The partial derivatives for APV(Ret) are evaluated with respect to Service-specific retention rates. In short,

$$\frac{\partial P}{\partial \text{APV(Ret)}} = (B_{\text{Army}} + B_s) * [P_s (1 - P_s)].$$

where s: Service.

The partial derivatives of all other variables are evaluated with respect to average DoD retention rates.

Measures of statistical significance apply to the logit coefficients, from which the partial derivatives are derived:

- * 10% level of significance
- ** 5% level of significance
- *** 1% level of significance.

For the APV(Ret) estimates, measures of statistical significance indicate whether or not each Services' effect is statistically different from that estimated for the Army (the reference group).

6. ANALYSIS OF RETENTION: OFFICERS

This chapter examines the retention behavior of officers, and attempts to isolate the major factors underlying individual stay-leave decisions. Officers have received surprisingly little attention in quantitative research on accession and retention. Consequently, military planners have relatively poor information on how officers respond to pecuniary incentives and how their labor supply decisions are influenced by personal characteristics. This study attempts to fill this information gap by analyzing data from the 1978 DoD Survey on Officers and Enlisted Personnel.

The analysis focuses on officers with 2 to 8 years of service. To concentrate on individuals facing a stay-leave decision, the sample is restricted to officers with less than a year of remaining obligated service or those without a service obligation. YOS 2 to 8 encompass the time during which individuals are most involved in career decision-making. An understanding of what encourages and discourages retention during this period should assist the Services and the DoD in managing the officer force.

The discussion of the empirical findings is organized into three sections: (1) effects of compensation on retention; (2) role of tastes for the military versus civilian employment; and (3) influence of personal and military characteristics on individual stay-leave decisions. Three retention models, described in Chapter 3, are used to examine these issues. The results are based on a DoD-wide retention model. The small sample size does not permit Service-specific estimation.

6.1 Compensation Effects

Table 6.1 contains the estimated compensation effects on the probability of staying at least one more year in the military. These findings are based on a retention model that controls for variation stemming from personal and military characteristics. To sharpen our focus on compensation issues, discussion of these characteristics is postponed for subsequent sections. The estimated effects for all variables in the three models are in Table 6.5 at the end of this chapter. As before, to make interpretation easier, the partial derivatives are presented in the tables, evaluated at the average DoD-wide retention rate.

TABLE 6.1

ESTIMATED COMPENSATION EFFECTS ON OFFICER RETENTION
(based on mean DoD retention rate of 76%)

| Variable | Model 1 | Model 2 |
|--------------------------|-----------|-----------|
| ACOL | .0024 | |
| ACOL COMPONENTS | | |
| Current Pay Differential | | .0005 |
| APV(Retirement Benefit) | | .4596*** |
| CURRENT YOS | .0730*** | |
| CURRENT YOS<5 | -.0128 | .2900*** |
| Model Chi-Square | 142.89*** | 434.37*** |
| Sample Size | 1325 | 1325 |

*** denotes statistical significance at the 1% level.

Annualized Cost of Leaving (ACOL). A central element in Model 1 is the ACOL variable which measures the annualized cost of leaving the military for each individual. This summary measure is calculated in the same way for officers as it is for enlisted personnel. This pecuniary factor is of great interest because of its widespread use in compensation-retention analysis. The estimated effect of ACOL on retention, however, is not significantly different from zero. Moreover, the partial derivative of .0024 is half of that for enlisted personnel.

The absence of a systematic relationship between ACOL and the probability of retention is not surprising in light of our discussion in Section 5.1. Officers, like the enlisted, have ACOL values that are dominated by large expected civilian earnings. One reason for this disparity may be the widespread dissatisfaction among officers with the relatively low pay raises during the late 1970s. As noted in Chapter 5, this may have been reflected in the survey responses, more as a protest than as a realistic expectation of potential civilian earnings. This phenomenon, of course, would undermine the quality of the constructed pay differential.

Table C.3 in Appendix C shows that the average current pay difference between military and civilian jobs is minus \$5,650; the average annualized present value of potential retirement benefits is \$3,270. The current pay difference swamps the APV(Ret) measure. Because

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the former tends to decline slightly over YOS, the influence of a rising APV(Ret) on retention is virtually eliminated. If the pay differential were constant over YOS, the impact of the retirement system would have been detectable. To investigate this possibility, we decompose ACOL into two parts: APV(Ret) and the current pay differential.

Model 1 also controls for YOS and whether or not an officer has fewer than 5 years of service. As expected, predicted retention rises steadily with military tenure. At the mean DoD retention rate, an extra year of service raises the probability of staying in the military by 7.3 percentage points, other things held constant. Unreported analysis finds that the estimated retention-ACOL relationship does not change appreciably when YOS is excluded from Model 1. Retention propensities among younger cohorts do not appear to be any different than for officers with at least 5 years of service.

Decomposition of ACOL. Model 2 examines the effects of separate compensation sources on retention. Focus on APV(Ret) is particularly germane for predicting the force implications of proposed changes to the current retirement system. Although APV(Ret) rises slowly over the YOS 2-8 period, its effect on ACOL becomes dramatic after 12 years of service (see Appendix B for graph). Most observers believe that the shape of the ACOL curve is governed principally by the present value of future retirement benefits that increase at an exponential rate with YOS. In contrast, the current pay differential tends to shift the ACOL up and down but its effect on the ACOL curve is fairly minor.

We drop YOS from the estimating equation when ACOL is decomposed. This is because of the high correlation between the retirement component and YOS. While APV(Ret) is a positive function of military service, it is also influenced by an individual's discount rate. In fact, descriptive analysis reveals there is much more variation in APV(Ret) within YOS groups than across years of service. This stems from substantial variation in personal discount rates imputed to each individual (Black, 1983). We view this added source of variation in APV(Ret) as an important contribution to the explanatory power of the model.

The current military-civilian pay differential has an insignificant effect on officer retention. Given the possible contamination introduced by dissatisfaction with military pay and misperceptions of civilian earnings, this variable probably does not measure true relative opportunities. As discussed in earlier chapters, the best procedure for estimating the link between retention and current pay differences is to use time-series data. This would provide variation in military and civilian earnings over time to support estimation of its relationship to retention.

The Annualized Present Value of Future Retirement Benefits plays a dominant role in individuals' decisions to leave or stay in the military. Model 2 estimates that a \$100 increase in APV(Ret) will raise

the probability of staying among officers by 4.6 percentage points (evaluated at the mean DoD retention rate). Although a \$100 change in APV(Ret) may appear small, it is substantial when viewed against its mean value of \$3,270 for officers at YOS 2 to 8. A change in APV(Ret) may occur for several reasons. First, a given percentage increase in basic pay will raise the base on which benefits are calculated. The change in benefits will result in the same percentage increase in APV(Ret). Second, a change in the benefit formula, retirement pay as a proportion of base pay, will change the level of future benefits. This results in the same percentage change in APV(Ret). Hence, the APV(Ret) term is a compact way to summarize the monetary effects of a change to the retirement system to evaluate the force implications.

The retention-APV(Ret) relationship estimated for officers is smaller than that for enlisted personnel. Recall that we found partial derivatives ranging from .39 to .85 for the latter group. Although part of this difference may stem from differences in mean retention rates used to evaluate the partial derivatives, examination of Tables C.1 and C.2 in Appendix C reveals a smaller logit coefficient for officers than for enlisted personnel.

We tested for different retention-APV(Ret) relationships across the Services by including appropriate interaction terms in Model 2. The null hypothesis could not be rejected, however, suggesting that the influence of APV(Ret) on retention does not vary by Service. Therefore, separate Service results are not presented. Compared to enlisted personnel, the officer population appears to be more homogeneous across Services with regard to its response to the present value of future retirement benefits.

A better way to evaluate the implications of alternative retirement benefit levels for retention is to calculate retention elasticities with respect to APV(Ret). Table 6.2 presents elasticities for two subperiods as well as for the YOS 2 to 11 period. In addition, we have used the estimated DoD-wide partial derivative on APV(Ret) to calculate elasticities for each Service, evaluated at their respective mean values of APV(Ret) and retention. For comparison, the DoD-wide enlisted elasticities are also listed (based on the YOS 2-8 period).

Table 6.2 documents the variation across Services with respect to the APV(Ret) elasticities. Differences emerge because of Service differences in average retention rates and average APV(Ret) values which influence the calculated elasticities. The logit coefficient component of the elasticity, however, is invariant across Services. Recall that the analysis did not find significant differences in the estimated coefficients by Service. Naval officers assigned to a ship have the highest elasticity at 3.4. This is substantially higher than Naval officers assigned to shore duty, who have an elasticity of 2.4, a value close to the Air Force elasticity of 2.5. Army and Marine Corps officers have elasticities below 2.0 which suggests that their retention is less

responsive to pay changes than similar officers in the other two Services.

TABLE 6.2

OFFICER RETENTION ELASTICITIES: RETIREMENT BENEFITS
(Based on Service and DoD Averages)

| Service | YOS 2-4 | YOS 5-8 | YOS 2-8 |
|----------------|---------|---------|---------|
| Army | 1.50 | .82 | 1.86 |
| Navy (ship) | 3.42 | 2.62 | 2.41 |
| Navy (no ship) | 2.35 | 2.00 | 2.41 |
| Marine Corps | 1.71 | 1.04 | 1.90 |
| Air Force | 2.45 | 2.66 | 1.96 |
| DoD (officers) | 2.03 | 1.60 | 1.98 |
| DoD (enlisted) | 1.50 | 2.19 | 1.76 |

The derived APV(Ret) elasticities are quite large in comparison with what would be predicted from the military pay elasticities found in previous studies. However, as explained in Chapter 5, the retirement and pay elasticities are not directly comparable. Our elasticity is evaluated with respect to the mean value of APV(Ret), which is relatively small compared to the mean value of military pay (at a given YOS).

The APV(Ret) elasticity may be overstated because unobserved tastes, which may be correlated with the excluded YOS variable, may affect the estimated coefficient on APV(Ret) from which the elasticity is calculated. However, previous analyses did not break ACOL into its pay elements so that a separate retirement effect could not be examined. Furthermore, the earlier work generally focused on a narrowly defined sample (first-termers) for whom the retirement system has little financial value. Both types of biases may explain the disparity between the predicted effects of the retirement system on retention.

6.2 Influence of Tastes on Officer Retention Decisions

Tastes vary across individuals within YOS groups, a phenomenon

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that is manifested in the DoD Survey. In addition, we expect individuals to select themselves in or out of the military according to their relative employment preferences. This self-selection process is known as "selectivity". Even though tastes may remain constant over time for a given individual, we should observe higher average tastes among older YOS groups because of selectivity. Furthermore, tastes may change as individuals acquire greater military experience and as the Services exert their own form of selectivity on the force.

Excluding tastes from empirical models may result in biased predictions of how retention changes in response to a change in military compensation. Forecast errors may occur in two ways. First, tastes have an effect on retention decisions independent of the influence of other factors. If a change in compensation results in a different mix of officers characterized by a different taste distribution, then predictions of the future force structure will be misleading if tastes are not taken into account.

A second type of prediction error is the possible bias in the estimated coefficient on ACOL when tastes are excluded. If tastes and ACOL are positively correlated, and both are correlated with retention, then potential bias exists. The following discussion investigates this possibility because of its importance for evaluating alternative compensation policies.

A measure of tastes for military versus civilian employment is constructed from responses to the DoD Survey. Seven questionnaire items, related to satisfaction with nonpecuniary military job attributes (compared with civilian jobs), were examined in preliminary analysis. Three were found to have significant independent effects on retention probabilities: (1) satisfaction with "immediate supervisors", (2) "having a say in what happens to me"; and (3) satisfaction with the "location of the job". Responses on each item ranged from 1 (low military tastes) to 5 (high military tastes), where satisfaction reflects individual perceptions of how a civilian job would compare with the present military job.

The relative job satisfaction variables were combined into a single index (with a 1-to-5 scale), that measures an individual's average score over the three components. Although it is not clear how well this variable captures the conceptual notion of "tastes", we believe that it is sufficiently correlated with the conceptual notion to provide useful insights. Key points of interest are (1) the independent influence of our measure of tastes on retention, and (2) how estimated compensation effects on retention may be biased when tastes are excluded from the model.

Effect of Tastes on Retention. Model 3 introduces the composite index of individual tastes into the retention equation. The Index has an average value of 2.25, slightly higher than the average of 2.1 for enlisted personnel. Among officers, the highest mean score was 2.55 for

relative satisfaction with immediate supervisors, followed by a mean of 2.0 for the other two components ("having a say in what happens" and "job location"). These averages imply that officers believe that a civilian job would be slightly better than their present military position. Table 6.3 presents the estimated influence of relative tastes on the probability of staying in the military.

TABLE 6.3

EFFECT OF TASTES ON OFFICER RETENTION PROBABILITIES
(Based on DoD retention rate of 76%)

| Taste Variables
(Mean Value) | Partial Derivative
(Chi-Square) | Elasticity |
|---------------------------------|------------------------------------|------------|
| TASTE INDEX (2.25) | .19 (54.6)*** | .56 |
| TASTES COMPONENTS | | |
| Supervisors (2.55) | .03 (2.46)* | .10 |
| Having a Say (2.04) | .11 (26.9)*** | .30 |
| Job Location (2.04) | .05 (9.59)*** | .12 |

* denotes statistical significance at the 10% level.

*** denotes statistical significance at the 1% level.

The results in Table 6.3 confirm the relevance of tastes as a predictor of retention. The findings suggest that, other things held constant, a unit increase in the Index would raise the probability of staying in the military by 19 percentage points. Individual stay-leave decisions appear to be quite sensitive to satisfaction with the nonpecuniary job attributes included in our model. The calculated elasticity implies that a 10% increase in the Taste Index would generate a 5.6% increase in the likelihood of staying.

Although officer retention is significantly related to underlying tastes, the relationship is not as pronounced as it is for enlisted personnel. The latter have an estimated retention elasticity with respect to the Taste Index of 1.44, nearly three times as large as that for officers. If tastes among military personnel shifted because of changes in policy or in other factors influencing the type of new entrants, the ensuing effects on retention would be stronger for the enlisted than for the officers.

Model 3 was reestimated with the three taste components in place of the Index. This specification is useful for identifying how the components differ in their influence on stay-leave decisions. From Table 6.3 it is evident that "having a say in what happens to me" (a sense of

control and participation in decision-making), has the largest effect, followed by "job location". Both of these factors were found to have significant effects on enlisted retention.

The estimated effects of the taste components, however, are much smaller than for the Taste Index (all are scaled from 1 to 5). Model 3 performs about as well statistically with either the Taste Index or the separate components. Moreover, the partial derivatives of the components, when added together, are the same as that for the Index (the same holds for the elasticities). These findings suggest that the taste variables are capturing dimensions of job satisfaction which are not correlated with one another. Recall that we found the same thing for enlisted personnel. This also suggests that efforts to raise job satisfaction, and hence retention, should not concentrate on only one aspect of the job environment.

Omitted Error Bias. The exclusion of tastes in retention models may result in biased estimates on the compensation variables. The magnitude and direction of bias depends on the nature of the correlation between tastes and compensation, on the one hand, and tastes and retention on the other. To assess this problem we compare the APV(Ret) coefficients and the implied pay elasticities estimated in Models 2 and 3. Table 6.4 displays the APV(Ret) elasticities for the YOS 2-8 period, with and without the inclusion of tastes in the estimating equation.

TABLE 6.4

EFFECTS OF TASTES ON THE APV(RET) ELASTICITY
(Based on DoD and Service mean retention rates)

| Service/DoD | Model 2
(Tastes Excluded) | Model 3
(Tastes Included) |
|----------------|------------------------------|------------------------------|
| Army | 1.50 | 1.43 |
| Navy (ship) | 3.42 | 3.26 |
| Navy (no ship) | 2.35 | 2.24 |
| Marine Corps | 1.71 | 1.63 |
| Air Force | 2.45 | 2.33 |
| DoD (officers) | 1.98 | 1.89 |
| DoD (enlisted) | 2.09 | 1.89 |

Controlling for tastes in Model 3 leads to a modest reduction in the estimated APV(Ret) partial derivative and its elasticity. As summarized in Table 6.4, the decline in the calculated elasticities is about 4.5% for all groups (rounding errors inject slight differences in

the percentage changes). This contrasts to a 10% drop in the DoD enlisted elasticity which is consistent with that group's greater sensitivity to tastes. To the extent that the Taste Index controls for the variation in tastes, it appears that omitting tastes in retention models does not result in serious bias with regard to the estimated compensation effects.

However, this conclusion must be qualified to the extent that unobserved tastes are correlated with YOS, as stressed by the selectivity argument. We found that the Taste Index exhibited substantial variation within YOS groups, but changed very little across groups. This finding, however, is subject to two conflicting interpretations. On the one hand, the lack of temporal variation suggests that selectivity plays only a minor role and that analysts should not be too concerned with its effects. On the other hand, the tabular results may imply that the Index is capturing only cross-sectional variation in tastes. The unobserved portion may be highly correlated with YOS. Unfortunately, the second argument must remain conjecture until further evidence is obtained by future research on tastes.

6.3 Personal and Military Correlates of Officer Retention

Having addressed the effects of compensation and tastes on retention, we now turn to a discussion of the role of personal and military characteristics in the stay-leave decision. Understanding how personal and military factors influence behavior provides policy-makers with further information for managing the officer force.

This discussion is based on the results for Model 3. Recall that the estimated effects of personal and military characteristics in Model 1 reflect a misspecification bias. This bias is largely a result of the variation in personal discount rates within YOS groups. The effect of discount rates on retention is captured properly by the APV(Ret) term. However, because this term is overwhelmed by the current military-civilian pay differential in ACOL, its effect is revealed only indirectly in the estimated coefficients on the personal and military variables. When APV(Ret) is specified in Model 2, the effect of personal discount rates is estimated more directly by the coefficient on this term. The bias on personal and military factors in Model 1 is thus reduced substantially.

Because tastes are excluded in the specification of Model 2, the coefficients on personal and military characteristics are not completely unbiased. By including tastes in Model 3 we eliminate the remainder of the bias from these coefficients; the estimated effects of these variables now represent the partial influence of particular personal and military factors on retention.

Military Correlates of Retention. The estimated results indicate some variation in retention across Services, with Navy personnel less likely to remain than either the Army or the Air Force, and Marine Corps officers showing a stronger probability of retention. Within the Navy, officers assigned to a ship exhibit a somewhat lower probability of retention than those assigned to shore duty. The Navy coefficients overall, however, are only marginally significant (with respect to the difference in retention from the Army) which suggests that while there is a noticeable difference in retention between these two groups, its magnitude is not estimated very precisely. Marines, on the other hand, are roughly 14 percentage points more likely to remain than their Army counterparts, and this difference is highly significant.

With the exception of Intelligence officers, all occupational areas have substantially greater retention problems than the reference group (DoD Occupation Code 7: Administration). Based on Model 3, the significant differences in estimated retention probabilities vis-a-vis the Administration group are:

- o Tactical Operations (-24 percentage points)
- o Engineering and Maintenance (-28 percentage points)
- o Scientists and Professionals (-26 percentage points)
- o Medical (-28 percentage points)
- o Supply and Procurement (-19 percentage points)
- o No Occupational Data (-23 percentage points)

A caveat is in order because of substantial missing data on occupational status. Because of a coding problem in the 1978 DoD Survey, DoD occupational codes do not exist for the majority of Naval officers (see Appendix B in Doering, et al., 1981, for a description of this problem). A separate categorical variable is included for individuals with missing occupational data. Thus, the coefficients on the valid occupational variables primarily reflect occupational differences among Army, Marine Corps, and Air Force officers.

The "No Occupational Data" variable is highly correlated with Navy affiliation. Hence, the coefficients on these two variables are unreliable and should not be used to predict retention differences between Navy and Army officers. The problem is insufficient information with which to disentangle Service effects from occupational effects for the Navy.

In unreported regressions we estimated Models 2 and 3 (1) without the occupational variables but including Navy officers in the sample, and (2) with occupation but excluding Navy personnel from the sample. This analysis indicated that the estimated coefficients for the occupational variables in Models 2 and 3 are reliable estimates of occupational effects for Army, Marine Corps, and Air Force officers. In addition, when Naval officers are included and occupation is dropped from the estimating equation, we find a significantly negative coefficient on the Navy Service term. In light of these findings, we

believe that the occupational effects estimated in Model 3 are accurate indicators of occupational differences among non-naval officers.

Personal Correlates of Retention. We find that blacks have a 26 percentage point higher probability of remaining in the military than nonblacks, other things held constant. This estimate is remarkably similar to the race effect found in the enlisted model. The analysis finds that female officers are more likely to remain in the military than males; an estimated difference of 18 percentage points. In contrast, we found that retention did not differ significantly between male and female enlisted personnel. These results may reflect greater perceived discrimination in the civilian sector coupled with better relative advancement opportunities in the military. Note that the effect of the race variable increases substantially in both magnitude and significance when we go from Model 1 to Models 2 and 3. As explained in Chapter 5, this change is most likely the result of lower discount rates for blacks; a trait that is not evident until the ACOL variable is decomposed.

We find no difference in retention between persons with a Bachelors Degree and those with post-graduate training. Because there is less variation in education among officers than among enlisted personnel, this result is not surprising.

A clear and significant difference in retention probabilities does exist between individuals who graduated from a military academy, and those who did not. In particular, the probability of academy graduates remaining in the military is 21 percentage points lower than for their non-academy counterparts. This difference, however, is not present in Model 1 where discount rates are controlled for only indirectly. If academy graduates have lower discount rates than others, then Model 2 would pick up this effect. The resulting negative association between retention and academy status is thus reflecting an unknown influence that is perplexing. It is possible that this anomolous result is unique to our data and not generalizable.

Family status plays an important role in the stay-leave decisions of officers. With respect to the reference group (single individuals), we find that divorced, widowed, or seperated persons are 15 percentage points more likely to remain in the military. This result may be driven by a causal relationship between marital problems and military service. In addition, individuals who have experienced family turbulence may value the sense of community offered by a military life.

Models 1 and 2 indicate that individuals with a spouse employed in the civilian sector are less inclined to remain in the military than single persons. When taste is added to Model 3, the significance of this coefficient falls slightly (to just below the 10% level), but its magnitude remains almost unchanged. We believe there is a systematic relationship between this variable and retention that probably reflects a geographical preference that would be jeopardized by continued

military service.

Financial assets provide yet another link between personal characteristics and the probability of retention. Consistent with a job search-transaction costs argument, the analysis finds that individuals with nonmortgage debts in excess of \$500 have a probability of remaining in the military that is 9 percentage points higher than similar individuals without such debts. Analogously, officers with accumulated savings greater than \$500, holding other things constant, are 11 percentage points less likely to remain than others.

Both of these effects support the hypothesis that job mobility incurs costs and financial risks. And to meet both exigencies successfully requires financial resources. To the extent that this condition is met, individuals would face fewer mobility constraints which would lower their predicted retention. Finally, the analysis finds no difference in the probability of retention between homeowners and those who do not own a home.

In summary, the analysis sheds light on the role of personal and military characteristics in the retention decisions of officers. Coupled with the findings on compensation and tastes, these results should assist force managers in understanding the determinants of retention, and in predicting changes in composition and end-strength resulting from the implementation of alternative compensation and manpower policies. We note that the results of the officer analysis, while intuitively logical, stand relatively untested in the retention literature, and we recommend further research in this area to corroborate these results.

TABLE 6.5 ESTIMATED DETERMINANTS OF OFFICER RETENTION

| Variable Name | MODEL 1 | | MODEL 2 | | MODEL 3 | |
|------------------------------|-----------------------|----------------|-----------------------|----------------|-----------------------|----------------|
| | Partial
Derivative | Chi-
Square | Partial
Derivative | Chi-
Square | Partial
Derivative | Chi-
Square |
| Intercept | 0.0894 | 0.61 | -0.9977 | 56.29 *** | -1.3479 | 80.16 *** |
| COMPENSATION | | | | | | |
| ACOL | 0.0024 | 2.11 | | | | |
| Current Pay Diff (Mil-Civ) | | | 0.0005 | 0.07 | -0.0018 | 0.76 |
| APV(Retirement) | | | 0.4596 | 184.07 *** | 0.4378 | 159.93 *** |
| TASTE: Military vs Civilian | | | | | 0.1897 | 54.60 *** |
| YEARS OF SERVICE | | | | | | |
| YOS < 5 | -0.0128 | 0.07 | 0.2900 | 44.28 *** | 0.2791 | 37.19 *** |
| Current YOS | 0.0730 | 25.43 *** | | | | |
| SERVICE (Army) | | | | | | |
| Navy-Ship Assignment | -0.1350 | 3.60 * | -0.1404 | 2.74 * | -0.1550 | 3.18 * |
| Navy-No Ship Assignment | -0.0584 | 1.47 | -0.1058 | 3.66 * | -0.1094 | 3.64 * |
| Marine Corps | 0.0237 | 0.36 | 0.1368 | 8.89 *** | 0.1423 | 8.64 *** |
| Air Force | -0.0438 | 1.24 | 0.0073 | 0.03 | 0.0219 | 0.20 |
| OCCUPATION (Admin.) | | | | | | |
| Tactical Operations | -0.2481 | 12.22 *** | -0.2408 | 10.19 *** | -0.2426 | 8.91 *** |
| Intelligence | -0.1988 | 3.10 * | -0.1988 | 2.43 | -0.1715 | 1.51 |
| Engineering/Maintenance | -0.2645 | 11.06 *** | -0.2791 | 10.34 *** | -0.2791 | 9.01 *** |
| Scientists/Professionals | -0.2827 | 10.48 *** | -0.2937 | 9.28 *** | -0.2627 | 6.53 *** |
| Medical | -0.2955 | 15.08 *** | -0.2991 | 13.22 *** | -0.2827 | 10.29 *** |
| Supply/Procurement | -0.2171 | 7.75 *** | -0.1806 | 4.64 ** | -0.1897 | 4.41 ** |
| No Occupational Data | -0.2298 | 8.94 *** | -0.2408 | 8.46 *** | -0.2335 | 7.01 *** |
| RACE (Nonblack) | | | | | | |
| Black | 0.0164 | 0.08 | 0.2426 | 13.46 *** | 0.2572 | 13.17 *** |
| SEX (Male) | | | | | | |
| Female | 0.0912 | 5.76 ** | 0.2006 | 21.26 *** | 0.1751 | 14.15 *** |
| AGE AT ENTRY (22 or less) | | | | | | |
| > 22 yrs. | 0.0255 | 0.85 | 0.0456 | 2.13 | 0.0347 | 1.11 |
| MARITAL STATUS (Single) | | | | | | |
| Div./Widow/Sep. | -0.0638 | 1.56 | 0.1386 | 5.65 ** | 0.1514 | 5.91 ** |
| Spouse in Military | -0.0347 | 0.32 | 0.0055 | 0.01 | 0.0073 | 0.01 |
| Spouse working (civilian) | -0.0912 | 4.16 ** | -0.0894 | 2.84 * | -0.0803 | 2.11 |
| Spouse not working | 0.0365 | 0.65 | 0.0201 | 0.13 | -0.0018 | 0.00 |
| EDUCATION (Bachelors Degree) | | | | | | |
| > Bachelors | 0.0456 | 1.51 | 0.0492 | 1.31 | 0.0511 | 1.30 |
| ACADEMY GRADUATE | -0.0529 | 0.67 | -0.1623 | 3.80 * | -0.2079 | 5.60 ** |
| FINANCIAL ASSETS | | | | | | |
| Debts > \$500 | 0.0201 | 0.56 | 0.0803 | 6.15 ** | 0.0912 | 7.08 *** |
| Savings > \$500 | 0.0018 | 0.00 | -0.1021 | 6.35 ** | -0.1076 | 6.23 ** |
| Homeowner | -0.0091 | 0.10 | -0.0383 | 1.43 | -0.0274 | 0.61 |
| MODEL CHI-SQUARE | | 142.89 *** | | 434.37 *** | | 483.97 *** |
| SAMPLE SIZE (D.F.) | 1325 | (26) | 1325 | (26) | 1295 | (27) |

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Partial derivative = $B * P (1 - P)$.

where B: logit coefficient
P: probability of retention.

The partial derivatives for all variables are evaluated with respect to the average DoD retention probabilities.

Measures of statistical significance apply to the logit coefficients, from which the partial derivatives are derived:

- * 10% level of significance
- ** 5% level of significance
- *** 1% level of significance.

7. SUMMARY AND CONCLUSIONS

This study isolates a number of important determinants of military retention among officers and enlisted personnel. In this chapter we summarize the most salient empirical findings and discuss some of their policy implications.

The analysis builds on previous empirical studies that examined military retention with an Annualized Cost of Leaving (ACOL) model. This analysis is unique in several important respects:

- o Model estimation is based on individual rather than aggregate data;
- o The single ACOL variable is decomposed into separate pay elements to isolate their independent effects on retention;
- o The theoretical concept of tastes for military service is measured, and its effect on retention and implied pay elasticities is examined;
- o Retention models are estimated for officers as well as enlisted personnel;
- o Separate models are estimated for enlisted personnel in each Service; and
- o A rich array of personal characteristics is examined to assess its influence on individual stay-leave decisions.

The above extensions to the retention literature provide a number of new insights into the factors that prompt individuals to leave or stay in the military. Our analysis also provides additional evidence that corroborates previous estimates of the pay-retention relationship, even after controlling for the influence of many personal factors typically unavailable in aggregate data.

Measurement of ACOL. The analysis develops a straightforward procedure for calculating ACOL. It is constructed by summing together (1) the difference in current military pay and expected civilian earnings; (2) the annualized present value of SRBs; and (3) the annualized present value of retirement benefits available at 20 years of service. This calculation captures the effects of current pecuniary incentives and two financial spikes that loom in the future -- reenlistment bonuses and retirement benefits.

As noted in Chapter 3, this simpler measure coincides closely with the more theoretically correct ACOL variable. The latter is based on that period of continued service for which the returns to staying are maximized. This requires an iterative procedure to select the optimal future work interval. In practice, however, the ACOL values associated with various employment intervals are highly correlated (Warner and Goldberg, 1982, find correlations in excess of 90%).

A second innovation of our analysis is the decomposition of ACOL into the three pay elements described above. This specification is useful for estimating the influence of the retirement system on individual retention decisions. Decomposition of ACOL also allows us to detect the sources of compensation that have the strongest influence on retention. As discussed in Chapter 3, we expect that variation in ACOL across individuals and over YOS stems principally from the annualized present value of future retirement benefits.

In a cross-section data file such as the DoD Survey, there tends to be relatively little variation in the current military-civilian pay differential. We believe that previous cross-section analyses calculated pay differentials that were essentially constant over YOS. These studies relied on an average imputed civilian wage that moved in concert with military pay over YOS. Therefore, the estimated effect of ACOL should be attributed primarily to variation in the annualized present value of future retirement benefits. In the DoD Survey, however, we find that individual expectations of civilian earnings greatly exceed current military pay. This results in a pay differential in favor of expected civilian earnings that dominates the annualized present value of future retirement benefits. Separating the pay components eliminates this problem.

We recommend that subsequent retention analyses exploit the advantages of time-series data, preferably a pooled cross-section and time-series micro data file. This data source would provide a better opportunity to estimate the effects of current pay differentials on retention as both change over time. A cross-section file is best suited to answer questions dealing with the effects of deferred compensation, such as bonuses and retirement benefits, on retention behavior. Deferred compensation displays substantial variation over YOS and across individuals according to their personal discount rates.

Estimated Retirement Benefit Elasticities. A primary objective of the analysis was to estimate the relationship between retirement benefits and retention. The annualized present value of future retirement benefits, APV(Ret), is used to accomplish this goal. The estimated retention models yield the following DoD-wide elasticities for officers and enlisted personnel:

- o Enlisted -- APV(Ret) elasticity of 2.08 (YOS 2 to 11).
- o Officer -- APV(Ret) elasticity of 1.98 (YOS 2 to 8).

Our results show that these two groups have a similar labor supply response to future retirement benefits. This similarity is strengthened by the fact that their respective logit coefficients are of comparable magnitude. However, the two groups do exhibit different elasticity patterns over YOS: enlisted elasticities are lower for the YOS 2-6 interval than for YOS 7-11, while officer elasticities are higher for YOS 2-4 than for YOS 5-8.

The YOS patterns in APV(Ret) elasticities will influence the predicted effects of a given change in future retirement benefits. Figures 7.1 and 7.2 depict the retention implications of a hypothetical reduction of 15% in future retirement annuities for officers and enlisted personnel. The figures underscore the responsiveness of the military force to changes in deferred compensation. The smallest absolute changes in retention occur in the early years of service and increase progressively with YOS. The predicted retention behavior implies that both the size and shape of the force would be negatively affected by a downward shift in benefits unless compensating policies were implemented.

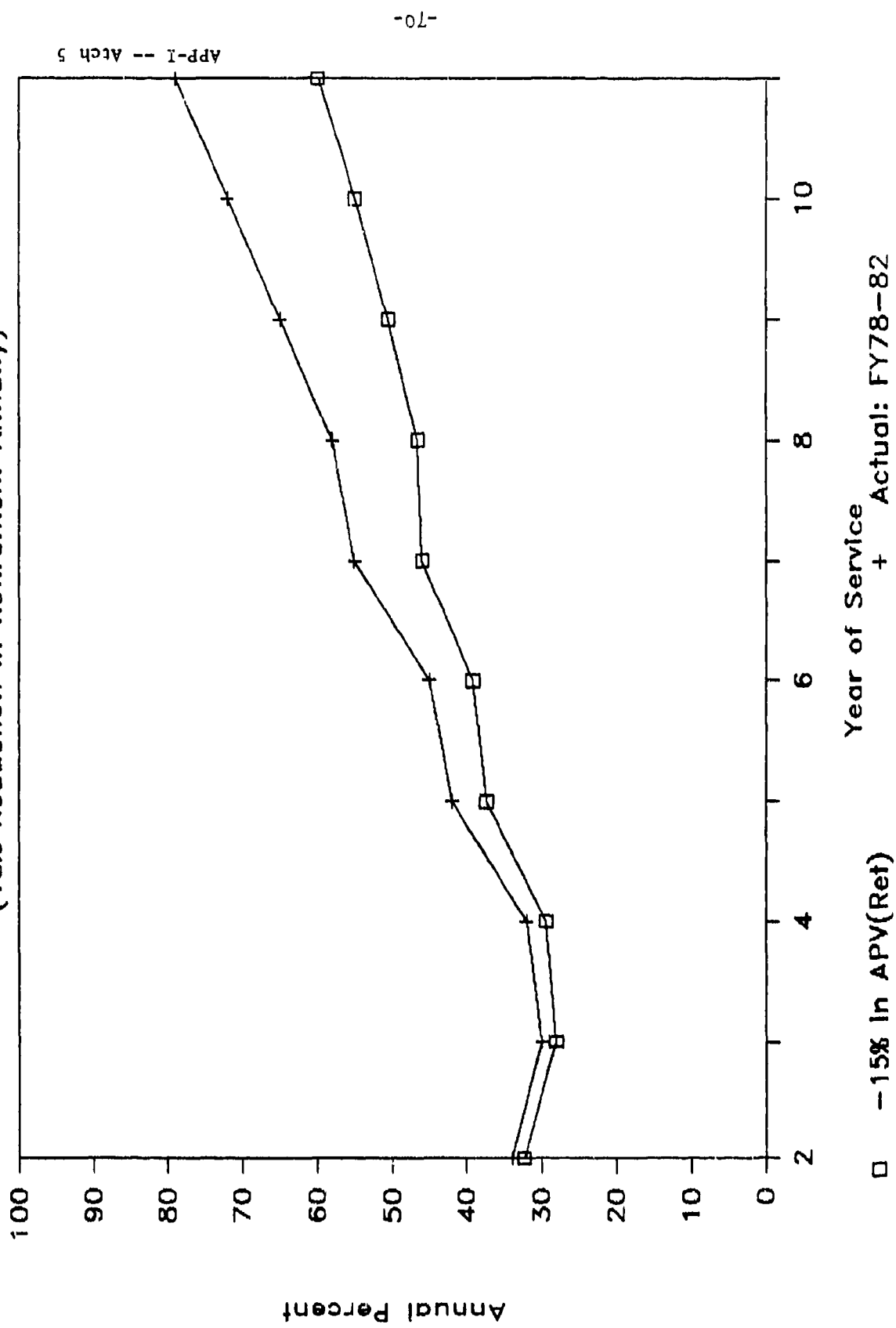
The analysis also examines whether or not there are systematic differences across Services with respect to the estimated effect of APV(Ret) on retention. We find significant differences in the estimated logit coefficients among the enlisted, but not among the officers. The coefficients, weighted by the respective Service retention rates, yield APV(Ret) elasticities for each branch of the military. These are summarized in Table 7.1. The results show substantial inter-Service variation, a fact that should be taken into account in predicting Service specific effects of a potential change in the retirement system.

TABLE 7.1

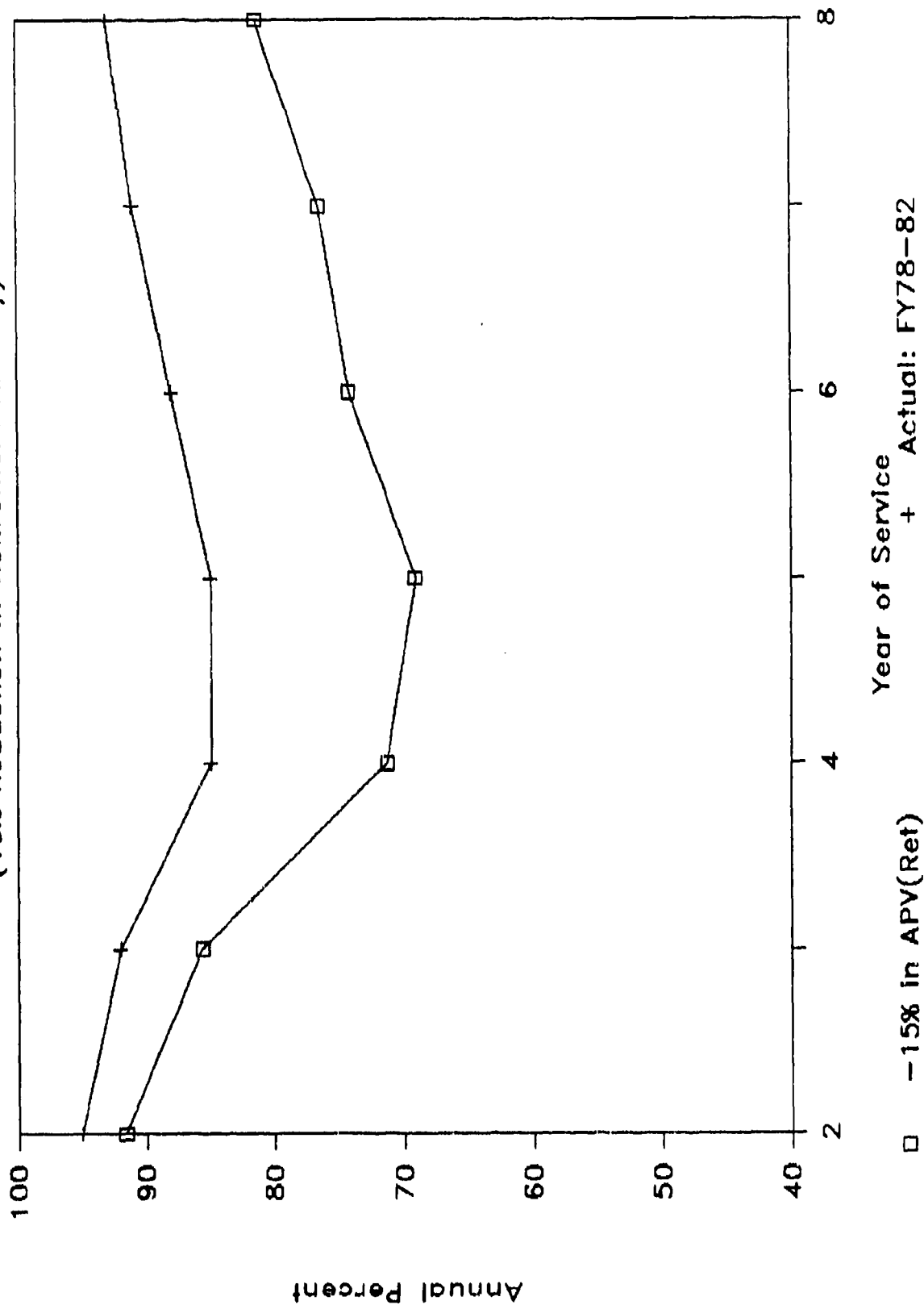
OFFICER AND ENLISTED RETENTION ELASTICITIES: RETIREMENT BENEFITS
(Based on Service and DoD average retention rates)

| Service | Officer
(YOS 2-8) | Enlisted
(YOS 2-11) |
|----------------|----------------------|------------------------|
| Army | 1.86 | 1.87 |
| Navy (ship) | 2.41 | 1.68 |
| Navy (no ship) | 2.41 | 2.23 |
| Marine Corps | 1.90 | 1.89 |
| Air Force | 1.96 | 2.35 |

7.1 Predicted Enlisted Retention (15% Reduction In Retirement Annuity)



7.2 Predicted Officer Retention (15% Reduction In Retirement Annuity)



The predicted retention effects of a change in retirement benefits are quite large compared to what would be implied from previous military pay elasticity estimates. As discussed in Chapters 5 and 6, our estimates may be overstated because of unobserved tastes for military service that increase over YOS according to the selectivity argument -- both individuals and the Services tend to select one another according to their respective preferences. Therefore, our APV(Ret) effect may reflect the combined influence of the retirement system, unobserved tastes related to YOS, and other aspects of employment preferences linked to service tenure.

Previous studies, however, probably understate the role of the retirement system on retention. Earlier analyses did not decompose ACOL into its pay components. Furthermore, most of these models were estimated for first-term enlistees for whom the annualized present value of retirement benefits is of negligible importance. If individuals respond differently to different sources of current and deferred income, it is quite possible that with a sample encompassing a wider YOS span and a model specification that permitted differential effects, a larger effect would be obtained on the retirement benefit component.

Tastes for the Military. A unique contribution of this study is its examination of (1) how individuals' tastes for military service influence retention, and (2) how the exclusion of tastes in retention models affects estimated pay elasticities. In particular, the DoD Survey provides information on how individuals rank civilian employment vis-a-vis their present military job. Several aspects of the job environment are addressed, and we focus on satisfaction with respect to nonpecuniary job attributes. The analysis estimates the retention effects of an overall Taste Index as well as its components for both officers and enlisted personnel.

The results suggest that the probability of staying in the military is significantly related to tastes. While not surprising, these estimates provide some of the first empirical evidence documenting the role of tastes. Specifically, we find that both officer and enlisted retention display a similar relationship to tastes (partial derivatives of .22 and .19, respectively). Although the partial derivatives and average values of the taste measures are roughly the same for the two groups, their calculated elasticities are distinctly different. This is because the latter are evaluated at different points along the retention function (mean retention probability of .32 and .76 for enlisted and officers, respectively).

Tastes have a significant influence on retention that is independent of other factors in the model. This has a direct policy implication because changes that shift the underlying taste distribution of the military population will also affect retention. Since changes in tastes evolve slowly, however, this effect would not be immediate.

Omission of tastes in retention models has stimulated concern that pay elasticities derived from estimated coefficients may be biased. Our analysis suggests that this is indeed the case, but the potential bias may be small. The analysis finds that among enlisted personnel, the DoD-wide APV(Ret) elasticity is reduced by 10% when tastes are included in the retention model. For officers, the reduction is about 5%. To the extent that our elasticities are precise, these differences would make a substantial difference in policy evaluation. However, given the confidence intervals that surround these estimates, one could conclude that the APV(Ret) elasticities are relatively unaffected by the exclusion of tastes in retention models -- insofar as they are proxied by the Taste Index measured by the DoD Survey.

Figure 7.3 illustrates the potential bias in predicted retention when tastes are excluded from the estimating equation. A hypothetical 15% reduction in the retirement annuity is simulated for the enlisted force. The implications for officers are not depicted because of the difficulty in discerning the effects graphically. The figure shows a modest overstatement of the retention responses over YOS when tastes are not taken into account.

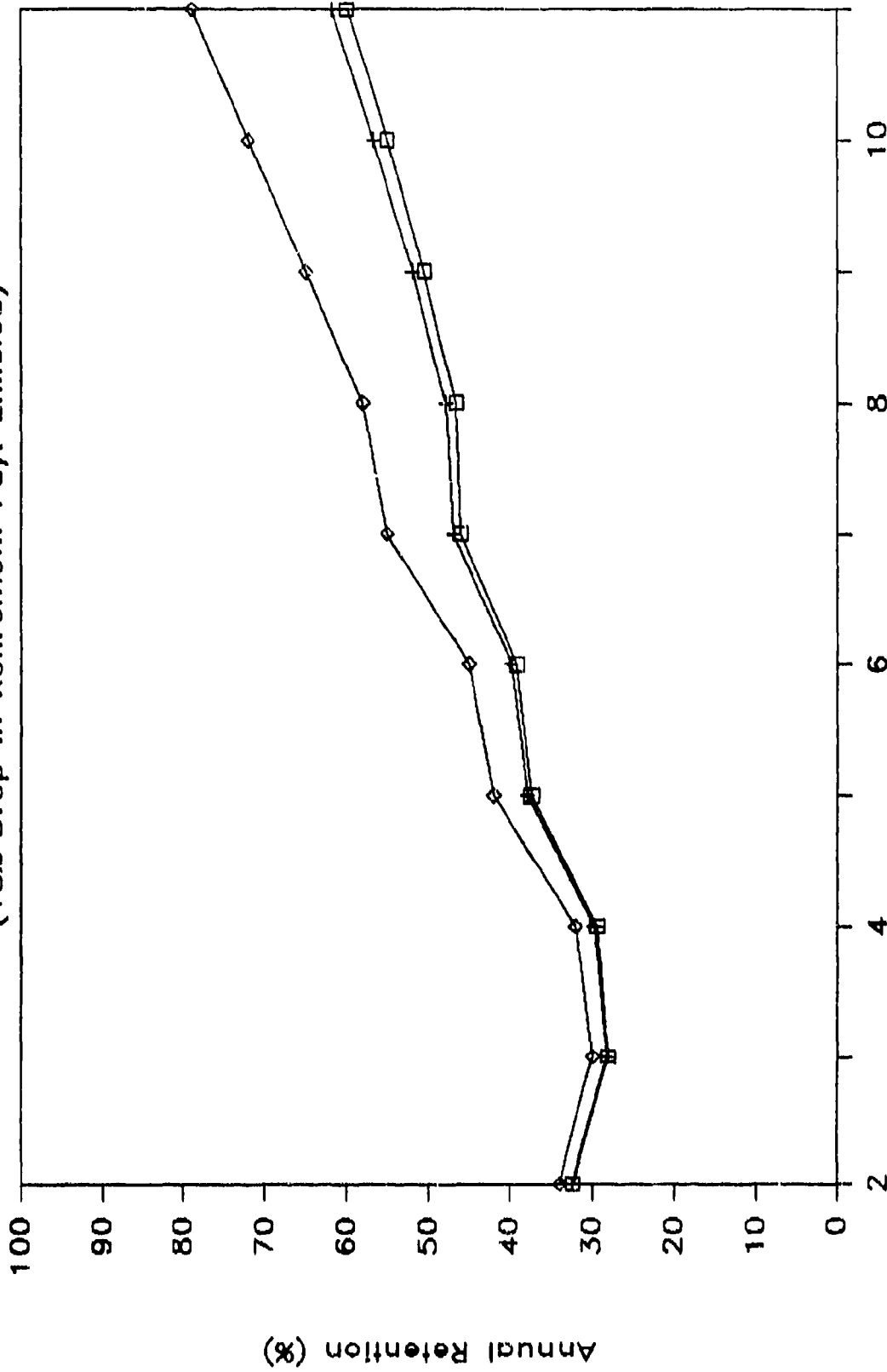
A more salient result concerns the unknown effect of "selectivity bias" in retention analyses (whereby average tastes for the military rise with YOS). Taken at face value, our Model 2 and 3 results suggest that selectivity is not a significant factor; estimated compensation effects are quite robust with regard to tastes being in or out of the model. In addition, tabular analysis of the Taste Index found that its average value differs only slightly across YOS groups. In contrast, within YOS group variation is very large. For example, average Index values for the enlisted increase from about 1.9 to 2.4 across YOS 2 to 11, whereas the standard deviation within a YOS group is approximately .70.

The cross-sectional rather than temporal variation in the Index may be interpreted in two opposing ways. First, it may provide evidence that taste (or more correctly, job satisfaction) does not increase with YOS. This would run counter to the selectivity argument that predicts a rising average value. Based on this interpretation we would conclude that selectivity may not be as serious a problem as commonly feared. To the extent that the Taste Index is an accurate measure of tastes, this conclusion is convincing. A second interpretation would use the tabular results as evidence that the Index is not adequately capturing the unobserved taste phenomenon which is believed to increase substantially with YOS. Therefore, the findings with respect to omitted variable bias must be held in abeyance until further research is conducted.

Personal Characteristics. The estimation yields a number of insights into the personal correlates of retention. Although these factors are not as amenable to policy as is compensation, the results do enhance our general understanding of what motivates an individual to

7.3 Prediction Bias Without Tastes

(15% Drop In Retirement Pay: Enlisted)



□ Est w/o Taste ◇ Est w/ Taste FY78-82

leave or stay in the military.

A significant finding is that black officers and enlisted persons are more likely to remain in the military than nonblacks, other things equal. We find female officers are more likely to stay than their male counterparts, although we do not find a gender difference in retention propensities among the enlisted. These findings suggest that blacks perceive greater career opportunities in the military than in the civilian sector. The explanation behind the higher retention propensity among female officers is twofold. On the one hand, females may perceive greater opportunities early in their career (YOS 2-8) as a commissioned military officer than would otherwise be available to them in the civilian sector. On the other hand, the military has not been a traditional career path for females. Women who enter the military may have a comparatively higher taste for military service than males and are therefore more likely to remain.

Marital status and the nature of spouse employment also affect retention propensities. Although the estimated effects differ for officers and the enlisted, as well as by Service among the enlisted, several systematic patterns emerge. Compared to single individuals, officers and enlisted personnel who are divorced, widowed, or separated exhibit a stronger tie to the military. This may imply a link between military service and marital strife, as well as a sense of community for those experiencing family turbulence. Enlisted personnel with a spouse in the military or a spouse not currently working are more likely to remain in the military than single enlisted. The former suggests a family-wide commitment to the military, while the latter suggests fewer outside ties to inhibit retention. Although further analysis is needed in this area, the results indicate that the family-military interface is a relevant factor in retention decisions and, therefore, should be of interest to policy-makers.

Finally, the financial status of service members influences an individual's ability to take risks and defray the costs of switching jobs if a decision to leave is made. Both officers and the enlisted appear to make retention decisions that are positively influenced by the possession of liquid assets. In addition, nonmortgage debts are estimated to discourage exits from the military.

In summary, the analysis sheds light on a number of factors that previously have been omitted from retention analyses because of data limitations. The results provide important confirmation of previous estimates of pay elasticities for enlisted personnel. In addition, separate enlisted models are estimated by Service to provide the Services with results that are unique to their environment. Furthermore, the study has broadened the scope of the retention literature by examining the determinants of officer stay-leave decisions. A unique contribution of the study is an examination of the role of tastes for military service and a detailed investigation of the personal correlates of retention. The combination of evidence produced by the estimated

models should assist the Services and the DoD in designing more effective policies with which to manage both the officer and the enlisted force.

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APPENDICES

- A: SURVEY QUESTION USED TO CONSTRUCT THE TASTE INDEX.
- B: GROWTH IN ACOL OVER YEARS OF SERVICE.
- C: LOGIT COEFFICIENTS FOR ESTIMATED DOD MODELS.
- D: ESTIMATED DETERMINANTS OF ENLISTED RETENTION: BY SERVICE.

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SURVEY QUESTION AND RESPONSES USED TO CONSTRUCT THE TASTE INDEX

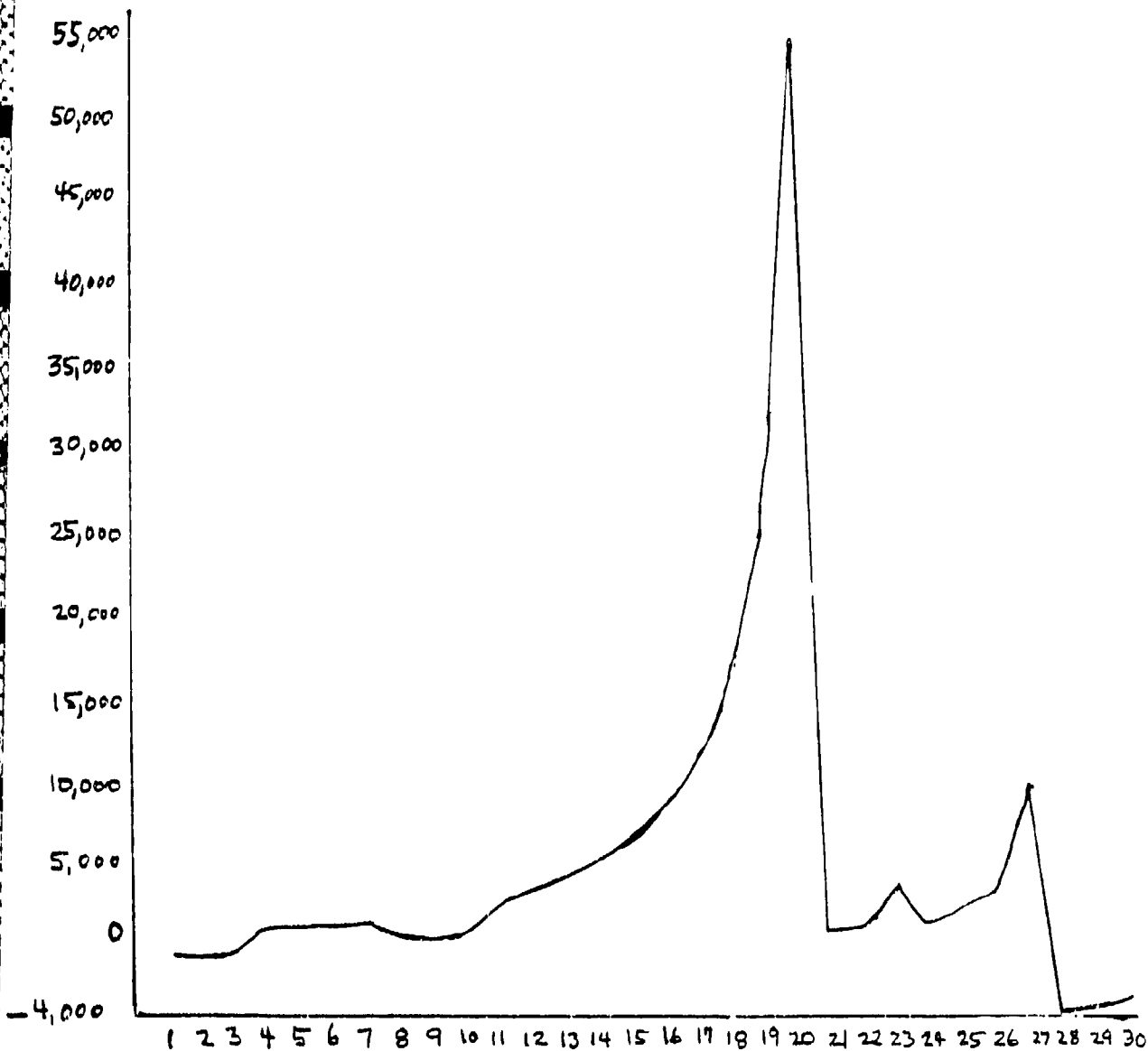
93. If you were to leave the service NOW and take a civilian job, how do you think that job would compare with your present military job in regard to the following work conditions?

| WORK CONDITIONS | CIVILIAN
JOB
WOULD BE
<u>A LOT</u>
<u>BETTER</u> | CIVILIAN
JOB
WOULD BE
<u>SLIGHTLY</u>
<u>BETTER</u> | ABOUT
THE <u>SAME</u>
IN A
CIVILIAN
AND
MILITARY
JOB | CIVILIAN
JOB
WOULD BE
<u>SLIGHTLY</u>
<u>WORSE</u> | CIVILIAN
JOB
WOULD BE
<u>A LOT</u>
<u>WORSE</u> |
|---|--|---|--|--|---|
| The immediate supervisors | 1 | 2 | 3 | 4 | 5 |
| Having a say in what happens to me | 1 | 2 | 3 | 4 | 5 |
| The retirement benefits | 1 | 2 | 3 | 4 | 5 |
| The medical benefits | 1 | 2 | 3 | 4 | 5 |
| The chance for interesting and challenging work | 1 | 2 | 3 | 4 | 5 |
| The wages or salaries | 1 | 2 | 3 | 4 | 5 |
| The chance for promotion | 1 | 2 | 3 | 4 | 5 |
| The opportunities for training | 1 | 2 | 3 | 4 | 5 |
| The people I work with | 1 | 2 | 3 | 4 | 5 |
| The work schedule and hours of work | 1 | 2 | 3 | 4 | 5 |
| The job security | 1 | 2 | 3 | 4 | 5 |
| The equipment I would use on the job | 1 | 2 | 3 | 4 | 5 |
| The location of the job | 1 | 2 | 3 | 4 | 5 |

Source: Doering, et al. (1981). 1978 DoD Survey of Officers and Enlisted Personnel: User's Manual and Codebook, p. 283.

Appendix B

GROWTH IN ACOL OVER YEARS OF SERVICE



Maximum values of A_{S*} under the current compensation system by years of service.

Source: Enns, Nelson, Warner (1983). "Retention and Retirement: The Case of the U.S. Military."

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APPENDIX C

LOGIT COEFFICIENTS FOR ESTIMATED DOD MODELS

This appendix presents the logit coefficients estimated by Models 1, 2 and 3 for the officer and enlisted samples. These coefficients are used to calculate the partial derivatives discussed in Chapters 5 and 6. However, we draw the reader's attention to the fact that the partial derivatives for the APV(retirement) variable presented in Tables 5.1 and 5.5 are evaluated with respect to Service specific retention rates. Specifically,

$$\frac{\partial P}{\partial \text{APV(Ret)}} = (B_{\text{Army}} + B_s) * [P_s (1 - P_s)]. \quad (\text{C.1})$$

where B: estimated logit coefficient
P: retention probability
s: Service.

Note that for the enlisted analysis Models 2 and 3 include Service-APV(Ret) interaction terms to obtain estimates of how the coefficients on APV(Ret) differ for each Service vis-a-vis the reference group (Army). In order to obtain the total APV(Ret) effect for a Service, the coefficient on its interaction term must be added to that for the reference group (this is shown by the first parenthetical expression on the right side of equation C.1). Partial derivatives are then calculated by weighting the respective total logit coefficients by each Service's mean retention according to , $P (1-P)$.

For officers, the APV(Ret) coefficient does not vary by Service. Hence, Service specific APV(Ret) partial derivatives are found by weighting the logit coefficient by each Service's mean retention. The partial derivatives of all other variables are evaluated with respect to average DoD retention probabilities.

Table C.3 presents mean values for retention, ACOL, APV(retirement), current pay difference (military-civilian), and the Taste Index by YOS for the enlisted and officer samples. Overall DoD averages for these variables are also reported.

Levels of significance for the logit coefficients are denoted by astericks: * 10%, ** 5%, *** 1%.

TABLE C.1 LOGIT COEFFICIENTS FOR ENLISTED RETENTION MODEL

| Variable Name | MODEL 1 | | MODEL 2 | | MODEL 3 | |
|------------------------------------|-------------------|-------------|-------------------|-------------|-------------------|-------------|
| | Logit Coefficient | Chi-Square | Logit Coefficient | Chi-Square | Logit Coefficient | Chi-Square |
| Intercept | -1.63 | 131.75 *** | -3.17 | 259.01 *** | -5.07 | 417.83 *** |
| YEAR/PRIOR BONUS (Term 1-bonus) | | | | | | |
| Term 1-no bonus | -0.21 | 9.14 ** | | | | |
| Term 2-bonus | 0.95 | 99.22 *** | | | | |
| Term 2-no bonus | 1.41 | 112.19 *** | | | | |
| Term 3-bonus | 1.93 | 98.17 *** | | | | |
| Term 3-no bonus | 2.52 | 156.51 *** | | | | |
| PRICE REENLISTMENT BONUS | | | -0.95 | 103.30 *** | -0.94 | 89.87 *** |
| COMPENSATION | | | | | | |
| ACOL | 0.02 | 12.39 *** | | | | |
| Current Pay Diff (Mil-Civil) | | | 0.91 | 2.30 | -0.01 | 2.72 * |
| APV(Retirement) | | | 3.15 | 342.09 *** | 2.76 | 238.35 *** |
| APV(expected SRB) | | | 0.04 | 0.53 | 0.01 | 0.01 |
| Eligible for SRB | | | -0.12 | 1.06 | -0.04 | 0.12 |
| APV(RETIREMENT)/SERVICE (APV/Army) | | | | | | |
| APV(Ret)/Navy-Ship Assignment | | | -0.87 | 15.09 *** | -0.82 | 12.01 *** |
| APV(Ret)/Navy-No Ship Assignment | | | -0.51 | 8.33 ** | -0.41 | 3.56 * |
| APV(Ret)/Marine Corps | | | -0.62 | 10.46 *** | -0.53 | 6.76 ** |
| APV(Ret)/Air Force | | | 0.39 | 3.20 * | 0.62 | 6.94 *** |
| TABLE: Military vs Civilian | | | | | 1.01 | 545.89 *** |
| SERVICE (Army) | | | | | | |
| Navy-Ship Assignment | -0.11 | 1.07 | 0.17 | 0.45 | 0.17 | 0.37 |
| Navy-No Ship Assignment | 0.16 | 2.91 * | -0.09 | 0.14 | -0.25 | 0.80 |
| Marine Corps | 0.07 | 0.67 | 0.10 | 0.21 | -0.01 | 0.00 |
| Air Force | 0.31 | 11.53 *** | -0.77 | 9.32 *** | -1.18 | 18.94 *** |
| OCCUPATION (Again.) | | | | | | |
| Infantry/Seaman/Gun Crew | -0.36 | 10.68 *** | -0.14 | 1.25 | -0.13 | 0.94 |
| Electronic Repair | -0.61 | 30.18 *** | -1.05 | 66.46 *** | -0.96 | 51.19 *** |
| Communications/Intell. | -0.14 | 1.72 | -0.38 | 8.32 *** | -0.28 | 4.00 ** |
| Medical/Dental | -0.48 | 10.62 *** | -0.68 | 16.93 *** | -0.59 | 10.94 *** |
| Other Tech/Allied Spec. | 0.15 | 0.60 | 0.26 | 1.45 | 0.39 | 3.01 * |
| Elec/Rech Repair | -0.22 | 6.95 *** | -0.41 | 18.43 *** | -0.34 | 11.05 *** |
| Craftsman | -0.15 | 0.90 | -0.22 | 1.51 | -0.24 | 1.49 |
| Service/Supply | -0.16 | 2.09 | 0.02 | 0.02 | 0.08 | 0.39 |
| RACE (Nonblack) | | | | | | |
| Black | 0.50 | 42.67 *** | 1.18 | 192.51 *** | 1.01 | 114.36 *** |
| SEX (Male) | | | | | | |
| Female | 0.11 | 1.16 | 0.09 | 0.50 | -0.01 | 0.02 |
| AGE AT ENTRY (19 or less) | | | | | | |
| > 19 yrs. | 0.07 | 1.24 | 0.17 | 4.91 ** | 0.13 | 2.69 * |
| MARITAL STATUS (Single) | | | | | | |
| Div./Widow/Dep. | -0.05 | 0.20 | 0.25 | 4.21 ** | 0.25 | 3.73 * |
| Spouse in Military | 0.51 | 13.79 *** | 0.44 | 8.42 *** | 0.34 | 4.41 ** |
| Spouse working (civilian) | 0.20 | 3.22 ** | -0.10 | 1.04 | -0.07 | 0.43 |
| Spouse not working | 0.50 | 41.51 *** | 0.24 | 7.63 *** | 0.24 | 6.56 *** |
| EDUCATION (High School Grad) | | | | | | |
| < High School | 0.09 | 0.27 | 0.53 | 8.43 *** | 0.44 | 4.34 ** |
| > High School | 0.18 | 7.70 *** | 0.11 | 2.36 | 0.16 | 4.19 ** |
| FINANCIAL ASSETS | | | | | | |
| Debt > \$500 | 0.24 | 13.66 *** | 0.02 | 0.05 | 0.10 | 1.53 |
| Savings > \$0 | 0.24 | 9.51 *** | -0.48 | 27.04 *** | -0.37 | 30.02 *** |
| Homeowner | -0.18 | 4.17 ** | -0.40 | 15.32 *** | -0.35 | 10.42 *** |
| MODEL CHI-SQUARE | | 1107.00 *** | | 2275.29 *** | | 2473.20 *** |
| SAMPLE SIZE (D.F.) | | 8506 (30) | | 8506 (33) | | 6048 (34) |

TABLE C.2 LOGIT COEFFICIENTS FOR OFFICER RETENTION MODEL

| Variable Name | MODEL 1 | | MODEL 2 | | MODEL 3 | |
|------------------------------|-------------------|------------|-------------------|------------|-------------------|------------|
| | Logit Coefficient | Chi-Square | Logit Coefficient | Chi-Square | Logit Coefficient | Chi-Square |
| Intercept | 0.49 | 0.61 | -5.47 | 56.29 *** | -7.39 | 80.16 *** |
| COMPENSATION | | | | | | |
| ACOL | 0.01 | 2.11 | | | | |
| Current Pay Diff (Mil-Civ) | | | .00 | 0.07 | -0.01 | 0.76 |
| APV(Retirement) | | | 2.52 | 184.07 *** | 2.40 | 159.93 *** |
| TASTE: Military vs Civilian | | | | | 1.04 | 54.60 *** |
| YEARS OF SERVICE | | | | | | |
| YOS < 5 | -0.07 | 0.07 | 1.59 | 44.28 *** | 1.53 | 37.19 *** |
| Current YOS | 0.40 | 25.43 *** | | | | |
| SERVICE (Army) | | | | | | |
| Navy-Ship Assignment | -0.74 | 3.60 * | -0.77 | 2.74 * | -0.85 | 3.18 * |
| Navy-No Ship Assignment | -0.32 | 1.47 | -0.58 | 3.66 * | -0.60 | 3.64 * |
| Marine Corps | 0.13 | 0.36 | 0.75 | 8.89 *** | 0.78 | 8.64 *** |
| Air Force | -0.24 | 1.24 | 0.04 | 0.03 | 0.12 | 0.20 |
| OCCUPATION (Admin.) | | | | | | |
| Tactical Operations | -1.36 | 12.22 *** | -1.32 | 10.19 *** | -1.33 | 8.91 *** |
| Intelligence | -1.09 | 3.10 * | -1.09 | 2.43 | -0.94 | 1.51 |
| Engineering/Maintenance | -1.45 | 11.06 *** | -1.53 | 10.34 *** | -1.53 | 9.01 *** |
| Scientists/Professionals | -1.55 | 10.48 *** | -1.61 | 9.28 *** | -1.44 | 6.53 *** |
| Medical | -1.62 | 15.08 *** | -1.64 | 13.22 *** | -1.55 | 10.29 *** |
| Supply/Procurement | -1.19 | 7.75 *** | -0.99 | 4.64 ** | -1.04 | 4.41 ** |
| No Occupational Data | -1.26 | 8.94 *** | -1.32 | 8.46 *** | -1.28 | 7.01 *** |
| RACE (Nonblack) | | | | | | |
| Black | 0.09 | 0.08 | 1.33 | 13.46 *** | 1.41 | 13.17 *** |
| SEX (Male) | | | | | | |
| Female | 0.50 | 5.76 ** | 1.10 | 21.26 *** | 0.96 | 14.15 *** |
| AGE AT ENTRY (22 or less) | | | | | | |
| > 22 yrs. | 0.14 | 0.85 | 0.25 | 2.13 | 0.19 | 1.11 |
| MARITAL STATUS (Single) | | | | | | |
| Div./Widow/Sep. | -0.35 | 1.56 | 0.76 | 5.65 ** | 0.83 | 5.91 |
| Spouse in Military | -0.19 | 0.32 | 0.03 | 0.01 | 0.04 | 0.01 ** |
| Spouse working (civilian) | -0.50 | 4.16 ** | -0.49 | 2.84 * | -0.44 | 2.11 |
| Spouse not working | 0.20 | 0.65 | 0.11 | 0.13 | -0.01 | 0.00 |
| EDUCATION (Bachelors Degree) | | | | | | |
| > Bachelors | 0.25 | 1.51 | 0.27 | 1.31 | 0.28 | 1.30 |
| ACADEMY GRADUATE | -0.29 | 0.67 | -0.89 | 3.80 * | -1.14 | 5.60 ** |
| FINANCIAL ASSETS | | | | | | |
| Debts > \$500 | 0.11 | 0.56 | 0.44 | 6.15 ** | 0.50 | 7.08 *** |
| Savings > \$500 | 0.01 | 0.00 | -0.56 | 6.35 ** | -0.59 | 6.23 ** |
| Homeowner | -0.05 | 0.10 | -0.21 | 1.43 | -0.15 | 0.61 |
| MODEL CHI-SQUARE | | 142.89 *** | | 434.37 *** | | 483.97 *** |
| SAMPLE SIZE (D.F.) | 1325 | (26) | 1325 | (26) | 1295 | (27) |

TABLE C.3 WEIGHTED DOD MEANS OF SELECTED VARIABLES BY YOS
(OFFICER AND ENLISTED)

| YOS
(Years) | Retention | ACOL
(\$1000's) | APV
Retirement
(\$1000's) | Current
Pay Diff
(Mil-Civ)
(\$1000's) | Taste Index
(1-5) |
|----------------|-----------|--------------------|---------------------------------|--|----------------------|
| <hr/> | | | | | |
| ENLISTED: | | | | | |
| 2 | 0.21 | -4.78 | 0.54 | -5.69 | 1.87 |
| 3 | 0.19 | -4.77 | 0.73 | -6.06 | 1.97 |
| 4 | 0.39 | -4.33 | 0.88 | -5.95 | 2.11 |
| 5 | 0.29 | -4.91 | 1.08 | -6.65 | 2.11 |
| 6 | 0.42 | -5.08 | 1.25 | -6.60 | 2.10 |
| 7 | 0.49 | -4.68 | 1.58 | -6.53 | 2.22 |
| 8 | 0.64 | -4.66 | 1.92 | -6.82 | 2.28 |
| 9 | 0.63 | -4.39 | 2.34 | -7.12 | 2.19 |
| 10 | 0.80 | -4.93 | 2.81 | -7.75 | 2.29 |
| 11 | 0.91 | -3.91 | 3.48 | -7.08 | 2.37 |
| 2-11 | 0.32 | -4.73 | 1.07 | -6.23 | 2.10 |
| OFFICER: | | | | | |
| 2 | 0.53 | -2.79 | 1.88 | -4.63 | 2.12 |
| 3 | 0.64 | -4.33 | 2.27 | -6.38 | 2.12 |
| 4 | 0.76 | -0.95 | 2.85 | -4.01 | 2.25 |
| 5 | 0.77 | -2.96 | 3.30 | -6.59 | 2.29 |
| 6 | 0.84 | -2.12 | 3.45 | -5.97 | 2.21 |
| 7 | 0.90 | -1.13 | 4.68 | -5.97 | 2.23 |
| 8 | 0.85 | 1.40 | 4.71 | -3.37 | 2.31 |
| 2-8 | 0.76 | -2.32 | 3.27 | -5.65 | 2.21 |
| <hr/> | | | | | |

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APPENDIX D

ESTIMATED DETERMINANTS OF ENLISTED RETENTION: BY SERVICE

In an auxiliary analysis, we estimated Service specific retention equations for enlisted personnel. Tables D.1 - D.4 in this appendix report the estimated partial derivatives for Models 2 and 3 for enlisted personnel by Service. These tables are analogous to Table 5.5, except that the partial derivatives are evaluated with respect to Service specific retention rates. Service means for the current pay differential and the APV(retirement) are noted to facilitate calculation of Service elasticities.

Below we summarize and contrast the estimated partial effects of the exogenous variables for each of the Services. Our findings reflect qualitative differences between the Services, and highlight a number of retention issues that, while consistent with a more general DoD-wide retention model, are particularly germane to a specific Service focus.

Compensation. For reasons discussed in the text (e.g. cross-section data), retention equations based on the 1978 DoD Survey are unable to attribute a significant role to current pay differentials as a determinant of retention behavior. The Service specific models, with the exception of the Air Force which shows a small and marginally significant coefficient on this variable, are consistent with this finding.

The APV(retirement) variable, on the other hand, is a very important determinant of retention for all four Services. The partial derivatives range from 1.07 for the Air Force to .46 for the Marine Corps, with the Navy and the Army both around .64. The unusually high coefficient for the Air Force may reflect a different time horizon for career decisions among personnel in this Service.

The APV(expected SRB) coefficient generally is insignificant, although the Air Force results do imply a 10 percentage point increase in retention attributable to an increase in this variable. However, the categorical term indicating eligibility for a selective reenlistment bonus exhibits a significant influence on retention in all Services except the Army. Both the Air Force and the Navy have sizable negative partial effects (-.25 and -.13, respectively), while the Marine Corps has a positive effect of .14. This contrast may exist for two reasons. First, the change in sign may indicate that in spite of a selective reenlistment bonus program, the Navy and the Air Force still face a retention problem in key occupational areas, while the Marine Corps may be paying out more SRB's than is necessary to maintain parity. Second, this finding may reflect the fact that the Marine Corps, unlike the Air Force or the Navy, uses relatively general occupational groupings to determine SRB eligibility. Thus, this variable is measuring a more heterogeneous group for the Marine Corps than for the other Services, and

its coefficient may be reflecting the influence of other factors.

Finally, we note that receipt of a reenlistment bonus in the current term has a significantly negative effect on retention across all Services. The magnitude of this effect is greatest for the Air Force and Marine Corps, with a somewhat diminished influence for the Navy and the Army.

Taste. We found taste for the military to be an important predictor of retention in our DoD-wide analysis. Service specific findings are consistent with this result. The partial derivative on taste ranges from .26 for the Air Force to .19 for the Marine Corps. In all cases the coefficient is highly significant.

Occupation. The reference group for the occupational variables is Functional Support and Administration (DoD 1-digit occupation code 5). The effect of a standard infantry, seaman, airman occupation (DoD 1-digit grouping of 0) is not significantly different from the reference group for any of the Services. Individuals employed as Electronics Repairmen have a substantially lower probability of retention (partial derivatives ranging from -.24 (Army) to -.17 (Marine Corps)) across all Services, as do individuals in the Medical and Dental grouping. Personnel in Communications and Intelligence are less likely to reenlist in all Services other than the Navy. Electrical and Mechanical Repairmen also exhibit a lower retention propensity in all Services other than the Army. Finally, Other Technical and Allied Specialists and Craftsmen in the Air Force are less likely to reenlist than the reference group.

These occupational results are consistent with the conventional wisdom among the Services regarding problem areas, and along with the findings on selective reenlistment bonuses, offer force managers documentation to support their continuing efforts in this area.

Demographics. Our Service analysis finds blacks exhibiting a substantially higher retention probability than nonblacks. The partials range from .34 for the Air Force to .19 for the Marine Corps. This result is consistent with the general DoD analysis, as is the insignificance of sex as a determinant of retention across Services. The employment status of a married individual's spouse, however, does have a significant impact on retention that differs across Services. Divorced, widowed, and separated individuals (the reference group is single) in the Air Force and Marine Corps show a higher retention propensity while such individuals in the Army and Navy remain indistinguishable from single personnel. Persons with a spouse in the military are more likely to reenlist in the Air Force and Army, and individuals with a spouse working in the civilian sector show a lower propensity to remain in the Navy than the reference group. Finally, Air Force personnel whose spouse is unemployed are more likely to stay than their single counterparts.

Individuals in the Air Force, Army, and Navy with less than a high school education are more likely to reenlist than high school graduates in these areas. In addition, members of the Navy with a post-high school

education are also more likely to remain than their high school graduate counterparts.

Finally, the analysis finds no relationship between debts and the probability of retention in the four Services. However, savings have a significant and negative effect on retention in all four. This effect is strongest for the Air Force and Navy, and somewhat more marginal for the Marine Corps and Army. This finding is probably a proxy for financial solvency which reduces the financial risk of leaving the military and searching for a job in the civilian sector. An indicator of geographic ties is home ownership. Recall that this variable had a negative and significant effect on retention in the DoD-wide analysis. In the Service specific models, this term is significant only for the Air Force. However, its magnitude (-.18 percentage points), coupled with the marginally insignificant negative coefficients on this variable for the other Service, is sufficient to make home ownership a significant determinant of retention in the overall DoD model.

TABLE D.1 ESTIMATED DETERMINANTS OF ARMY RETENTION: ENLISTED

| Variable Name | MODEL 2 | | MODEL 3 | |
|-------------------------------|--------------------|------------|--------------------|------------|
| | Partial Derivative | Chi-Square | Partial Derivative | Chi-Square |
| Intercept | -0.6909 | 123.07 *** | -1.1235 | 160.05 *** |
| COMPENSATION | | | | |
| Current Pay Diff (Mil-Civ) | 0.0044 | 1.67 | -0.0006 | 0.03 |
| APV(Retirement) | 0.6363 | 209.24 *** | 0.5922 | 158.57 *** |
| APV(expected SRB) | 0.0567 | 0.59 | 0.0189 | 0.05 |
| Eligible for SRB | 0.0336 | 0.17 | 0.0777 | 0.77 |
| PRIOR REENLISTMENT BONUS | -0.0693 | 3.79 ** | -0.1092 | 7.99 *** |
| TASTE: Military vs Civilian | | | 0.2163 | 81.26 *** |
| OCCUPATION (Admin.) | | | | |
| Infantry | -0.0693 | 2.30 | -0.0210 | 0.16 |
| Electronic Repair | -0.2436 | 10.11 *** | -0.1995 | 5.87 ** |
| Communications/Intell. | -0.1449 | 6.41 ** | -0.1029 | 2.77 * |
| Medical/Dental | -0.2205 | 10.22 *** | -0.1386 | 3.52 * |
| Elec/Mech Repair | -0.0777 | 1.95 | -0.0063 | 0.01 |
| Other Tech/Allied & Craftsmen | 0.0651 | 0.84 | 0.0832 | 1.18 |
| Service/Supply | -0.0357 | 0.46 | -0.0042 | 0.00 |
| RACE (Nonblack) | | | | |
| Black | 0.2646 | 57.31 *** | 0.2583 | 43.18 *** |
| SEX (Male) | | | | |
| Female | 0.0004 | 0.00 | -0.0147 | 0.09 |
| AGE AT ENTRY (19 or less) | | | | |
| > 19 yrs. | 0.0462 | 2.01 | 0.0441 | 1.55 |
| MARITAL STATUS (Single) | | | | |
| Div./Widow/Sep. | 0.0672 | 1.53 | 0.0693 | 1.38 |
| Spouse in Military | 0.1617 | 6.19 ** | 0.1239 | 2.93 * |
| Spouse working (civilian) | -0.0315 | 0.39 | -0.0357 | 0.47 |
| Spouse not working | 0.0420 | 1.24 | 0.0420 | 0.99 |
| EDUCATION (High School Grad) | | | | |
| < High School | 0.1491 | 4.34 ** | 0.0777 | 0.84 |
| > High School | -0.0252 | 0.55 | -0.0336 | 0.86 |
| FINANCIAL ASSETS | | | | |
| Debts > \$500 | -0.0294 | 0.86 | -0.0105 | 0.10 |
| Savings > \$0 | -0.0714 | 3.09 * | -0.1092 | 5.39 ** |
| Homeowner | -0.0777 | 2.38 | -0.0504 | 0.86 |
| MODEL CHI-SQUARE | | 505.67 *** | | 540.69 *** |
| SAMPLE SIZE (D.F.) | 1383 | (24) | 1255 | (25) |

Note: * - significant at the 10% level.
 ** - significant at the 5% level.
 *** - significant at the 1% level.

$$\text{Partial Derivative} = B * [P(1-P)]$$

where B: logit coefficient
 P: retention probability.

Means:

Retention = .30
 Current Pay Diff = 7.53 (\$1000's)
 APV(Retirement) = .85 (\$1000's)

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TABLE D.2 ESTIMATED DETERMINANTS OF NAVY RETENTION: ENLISTED

| Variable Name | MODEL 2 | | MODEL 3 | |
|-------------------------------|--------------------|------------|--------------------|------------|
| | Partial Derivative | Chi-Square | Partial Derivative | Chi-Square |
| Intercept | -0.6980 | 135.40 *** | -1.0913 | 184.45 *** |
| COMPENSATION | | | | |
| Current Pay Diff (Mil-Civ) | 0.0019 | 0.43 | -0.0041 | 1.29 |
| APV(Retirement) | 0.6403 | 233.25 *** | 0.5806 | 184.12 *** |
| APV(expected SRB) | 0.0185 | 1.40 | 0.0103 | 0.38 |
| Eligible for SRB | -0.1338 | 9.82 *** | -0.1297 | 8.01 *** |
| PRIOR REENLISTMENT BONUS | -0.3418 | 76.50 *** | -0.3253 | 62.77 *** |
| TASTE: Military vs Civilian | | | 0.2069 | 100.65 *** |
| OCCUPATION (Admin.) | | | | |
| Seaman | -0.0865 | 1.69 | -0.1956 | 5.69 ** |
| Electronic Repair | -0.2368 | 26.80 *** | -0.2183 | 21.31 *** |
| Communications/Intell. | 0.0006 | 0.00 | 0.0144 | 0.10 |
| Medical/Dental | -0.1627 | 8.20 *** | -0.1647 | 7.63 *** |
| Elec/Mech Repair | -0.0659 | 3.88 ** | -0.0577 | 2.71 * |
| Other Tech/Allied & Craftsmen | -0.0988 | 2.40 | -0.0700 | 1.06 |
| Service/Supply | 0.0824 | 2.01 | 0.1071 | 2.81 * |
| RACE (Nonblack) | | | | |
| Black | 0.2615 | 62.13 *** | 0.2450 | 46.05 *** |
| SEX (Male) | | | | |
| Female | -0.0185 | 0.17 | -0.0432 | 0.82 |
| AGE AT ENTRY (19 or less) | | | | |
| > 19 yrs. | 0.0268 | 0.96 | 0.0268 | 0.82 |
| MARITAL STATUS (Single) | | | | |
| Div./Widow/Sep. | -0.0371 | 0.69 | -0.0185 | 0.16 |
| Spouse in Military | 0.0206 | 0.11 | 0.0062 | 0.01 |
| Spouse working (civilian) | -0.0741 | 4.30 ** | -0.0638 | 2.66 * |
| Spouse not working | 0.0350 | 1.25 | 0.0124 | 0.15 |
| EDUCATION (High School Grad) | | | | |
| < High School | 0.1833 | 8.19 *** | 0.1812 | 6.19 ** |
| > High School | 0.1112 | 17.50 *** | 0.1215 | 17.92 *** |
| FINANCIAL ASSETS | | | | |
| Debts > \$500 | -0.0144 | 0.31 | -0.0041 | 0.02 |
| Savings > \$0 | -0.1256 | 13.29 *** | -0.1668 | 18.77 *** |
| Homeowner | -0.0597 | 2.57 | -0.0577 | 2.08 |
| SHIP ASSIGNMENT | 0.0371 | 0.34 | 0.0638 | 0.90 |
| APV(RET)*SHIP ASSIGNMENT | -0.0679 | 2.14 | -0.0741 | 2.21 |
| MODEL CHI-SQUARE | | 672.99 *** | | 746.32 *** |
| SAMPLE SIZE (D.F.) | 2099 | (26) | 1966 | (27) |

Notes: * - significant at the 10% level.
 ** - significant at the 5% level.
 *** - significant at the 1% level.

$$\text{Partial Derivative} = B * [P(1 - P)]$$

where B: logit coefficient
 P: retention probability.

Means:

Retention = .29
 Current Pay Diff = 7.65 (\$1000's)
 APV(Retirement) = 1.15 (\$1000's)

TABLE D.3 ESTIMATED DETERMINANTS OF MARINE CORPS RETENTION: ENLISTED

| Variable Name | MODEL 2 | | MODEL 3 | |
|-------------------------------|--------------------|------------|--------------------|------------|
| | Partial Derivative | Chi-Square | Partial Derivative | Chi-Square |
| Intercept | -0.6391 | 115.40 *** | -1.0342 | 152.60 *** |
| COMPENSATION | | | | |
| Current Pay Diff (Mil-Civ) | -0.0020 | 0.90 | -0.0060 | 6.35 ** |
| APV(Retirement) | 0.4596 | 197.20 *** | 0.3931 | 142.43 *** |
| APV(expected SRB) | -0.0363 | 0.99 | -0.0464 | 1.48 |
| Eligible for SRB | 0.1389 | 4.08 ** | 0.1774 | 5.63 ** |
| PRIOR REENLISTMENT BONUS | -1.2902 | 12.44 *** | -0.1169 | 8.96 *** |
| TASTE: Military vs Civilian | | | 0.1895 | 65.09 *** |
| OCCUPATION (Admin.) | | | | |
| Infantry | -0.0343 | 0.59 | -0.0262 | 0.28 |
| Electronic Repair | -0.1774 | 8.26 *** | -0.1331 | 4.53 ** |
| Communications/Intell. | -0.0806 | 1.85 | -0.0706 | 1.23 |
| Medical/Dental | | | | |
| Elec/Mech Repair | -0.1593 | 12.39 *** | -0.1331 | 7.76 *** |
| Other Tech/Allied & Craftsman | 0.0397 | 0.45 | 0.0484 | 0.57 |
| Service/Supply | 0.0282 | 0.37 | 0.0464 | 0.75 |
| RACE (Nonblack) | | | | |
| Black | 0.1875 | 25.30 *** | 0.1068 | 6.42 ** |
| SEX (Male) | | | | |
| Female | 0.0423 | 0.49 | 0.0564 | 0.76 |
| AGE AT ENTRY (19 or less) | | | | |
| > 19 yrs. | 0.0444 | 1.30 | 0.0262 | 0.40 |
| MARITAL STATUS (Single) | | | | |
| Div./Widow/Sep. | 0.1048 | 3.94 ** | 0.0968 | 2.79 * |
| Spouse in Military | -0.0006 | 0.00 | -0.0323 | 0.11 |
| Spouse working (civilian) | 0.0202 | 0.24 | 0.0242 | 0.28 |
| Spouse not working | 0.0444 | 1.44 | 0.0645 | 2.58 |
| EDUCATION (High School Grad) | | | | |
| < High School | -0.0121 | 0.03 | -0.0304 | 0.35 |
| > High School | 0.0040 | 0.01 | 0.0161 | 0.20 |
| FINANCIAL ASSETS | | | | |
| Debts > \$500 | -0.0040 | 0.01 | 0.0060 | 0.02 |
| Savings > \$0 | -0.0867 | 4.62 ** | -0.0746 | 2.56 |
| Homeowner | -0.0202 | 0.21 | -0.0141 | 0.09 |
| MODEL CHI-SQUARE | | 536.02 *** | | 557.64 *** |
| SAMPLE SIZE (D.F.) | 1424 | (23) | 1305 | (24) |

Note: * - significant at the 10% level.
 ** - significant at the 5% level.
 *** - significant at the 1% level.

$$\text{Partial Derivative} = B * [P(1 - P)]$$

where B: logit coefficient
 P: retention probability.

Means:

Retention = .28
 Current Pay Diff = 7.55 (\$1000's)
 APV(Retirement) = 1.04 (\$1000's)

APP-I -- Atch 5

TABLE D.4 ESTIMATED DETERMINANTS OF AIR FORCE RETENTION: ENLISTED

| Variable Name | MODEL 2 | | MODEL 3 | |
|-------------------------------|--------------------|------------|--------------------|------------|
| | Partial Derivative | Chi-Square | Partial Derivative | Chi-Square |
| Intercept | -1.0632 | 167.06 *** | -1.6224 | 200.93 *** |
| COMPENSATION | | | | |
| Current Pay Diff (Mil-Civ) | 0.0072 | 3.12 * | 0.0024 | 0.33 |
| APV(Retirement) | 1.0728 | 210.10 *** | 0.9768 | 169.18 *** |
| APV(expected SRB) | 0.0984 | 5.15 ** | 0.0888 | 3.68 * |
| Eligible for SRB | -0.2472 | 14.83 *** | -0.2256 | 11.01 *** |
| PRIOR REENLISTMENT BONUS | -0.4752 | 52.94 *** | -0.4224 | 38.70 *** |
| TASTE: Military vs Civilian | | | 0.2568 | 79.58 *** |
| OCCUPATION (Admin.) | | | | |
| Airman | 0.1896 | 1.66 | 0.2136 | 1.72 |
| Electronic Repair | -0.2256 | 15.49 *** | -0.2208 | 13.63 *** |
| Communications/Intell. | -0.2304 | 7.69 *** | -0.1752 | 4.29 ** |
| Medical/Dental | -0.1392 | 3.51 * | -0.1368 | 2.68 |
| Elec/Mech Repair | -0.0912 | 3.90 ** | -0.0912 | 3.43 * |
| Other Tech/Allied & Craftsmen | -0.0528 | 0.69 | -0.0624 | 0.84 |
| Service/Supply | -0.0360 | 0.41 | -0.0264 | 0.18 |
| RACE (Nonblack) | | | | |
| Black | 0.3360 | 52.60 *** | 0.2664 | 26.95 *** |
| SEX (Male) | | | | |
| Female | 0.0504 | 0.99 | 0.0288 | 0.25 |
| AGE AT ENTRY (19 or less) | | | | |
| > 19 yrs. | 0.0072 | 0.05 | -0.0024 | 0.01 |
| MARITAL STATUS (Single) | | | | |
| Div./Widow/Sep. | 0.1944 | 9.49 *** | 0.1944 | 7.93 *** |
| Spouse in Military | 0.1776 | 7.92 *** | 0.1728 | 6.15 ** |
| Spouse working (civilian) | 0.0336 | 0.47 | 0.0480 | 0.89 |
| Spouse not working | 0.1176 | 6.79 *** | 0.1320 | 7.48 *** |
| EDUCATION (High School Grad) | | | | |
| < High School | 0.3432 | 4.41 ** | 0.3184 | 6.85 *** |
| > High School | -0.0168 | 0.24 | 0.0120 | 0.10 |
| FINANCIAL ASSETS | | | | |
| Debts > \$500 | 0.0552 | 2.05 | 0.0040 | 3.83 ** |
| Savings > \$0 | -0.1752 | 12.82 *** | -0.1704 | 9.42 *** |
| Homeowner | -0.1776 | 13.51 *** | -0.1656 | 10.60 *** |
| MODEL CHI-SQUARE | | 708.68 *** | | 764.13 *** |
| SAMPLE SIZE (D.F.) | 1600 | (24) | 1522 | (25) |

Notes: * - significant at the 10% level.
 ** - significant at the 5% level.
 *** - significant at the 1% level.

$$\text{Partial Derivative} = B_i \cdot [P \cdot (1 - P)]$$

where B_i : logit coefficient
 P_i : retention probability.

Means:

Retention = .40
 Current Pay Diff = 7.68 (\$1000's)
 APV(Retirement) = 1.34 (\$1000's)

APPENDIX J

MODEL INTERFACE PROGRAM



CDR ROBERT A. SCHREIBER, USN

MODEL INTERFACE PROGRAMS

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MODEL INTERFACE PROGRAMS

I. INTRODUCTION. The QRMIC developed two interface programs and several utility programs in the course of the study to assist in the manipulation of numeric data between the three computer models employed in the analysis of the retirement system. There are two distinct phases to consider in discussing these programs, the audit or data preparation phase and the model interface phase. The model interface phase itself consists of two separate operations dealing with transfer of data sets between ACOL and DMSM and between ACOL and GORGO. See Section IX for a description of ACOL, DMSM and GORGO before proceeding to the detailed discussions of each program element. The brief verbal description of the steps through each phase contained in Section IX is helpful in understanding the overall process. Figure J-1 illustrates the flow through each step in the process.

The first step in analytical process is preceded by an audit of the data to ensure that it is free of errors and that it meets the requirements of the analysis. Once the data base has been determined to be "clean" and consistent with these requirements, the occupational groupings, by Service population, are aggregated into a total population by Service. Next, Force Grade and Loss tables are built which become part of the ACOL model data base. This completes the first phase of the interface process.

One of the data sets output by the ACOL model contains Force Grade Tables which reflect the new force structures predicted by the modeled retirement options. The first interface program "links" this data with the respective input Force Structure Flow Dynamic table to create a revised Force Structure Flow Dynamic table reflecting the retention pattern of the modeled retirement option. This data is input directly into DMSM for Force Structure smoothing and costing. The same data set is input to the GORGO interface program to produce Force Grade and Decrement tables which eventually will be used by the GORGO model to make normal cost projections. Figure J-2 illustrates the data flow in the model interface program phase.

II. GENERAL PROGRAM DESCRIPTION. All of the utility and model interface programs to be discussed in this appendix are coded in FORTRAN IV (G1) for the IBM System/370. The programs are designed to run interactively on IBM's VM/SP Conversational Monitor System (CMS) and make extensive use of the installed EXEC processor to control file manipulation and input/output. Program modules were generated from the compiled versions and are executed from the EXEC. This allowed FORTRAN programs to be "stacked" within an EXEC for more efficient operation. For example, the two model interface programs that interface ACOL with DMSM and GORGO are, in reality, four FORTRAN program modules that are run by an EXEC named DODLINK. One invocation of the EXEC DODLINK results in the output of a Force Structure Flow Dynamic table for each of the services, both officer and enlisted populations (i.e., eight data files plus the Force Grade

Figure J-1
Model Interface Flow Chart

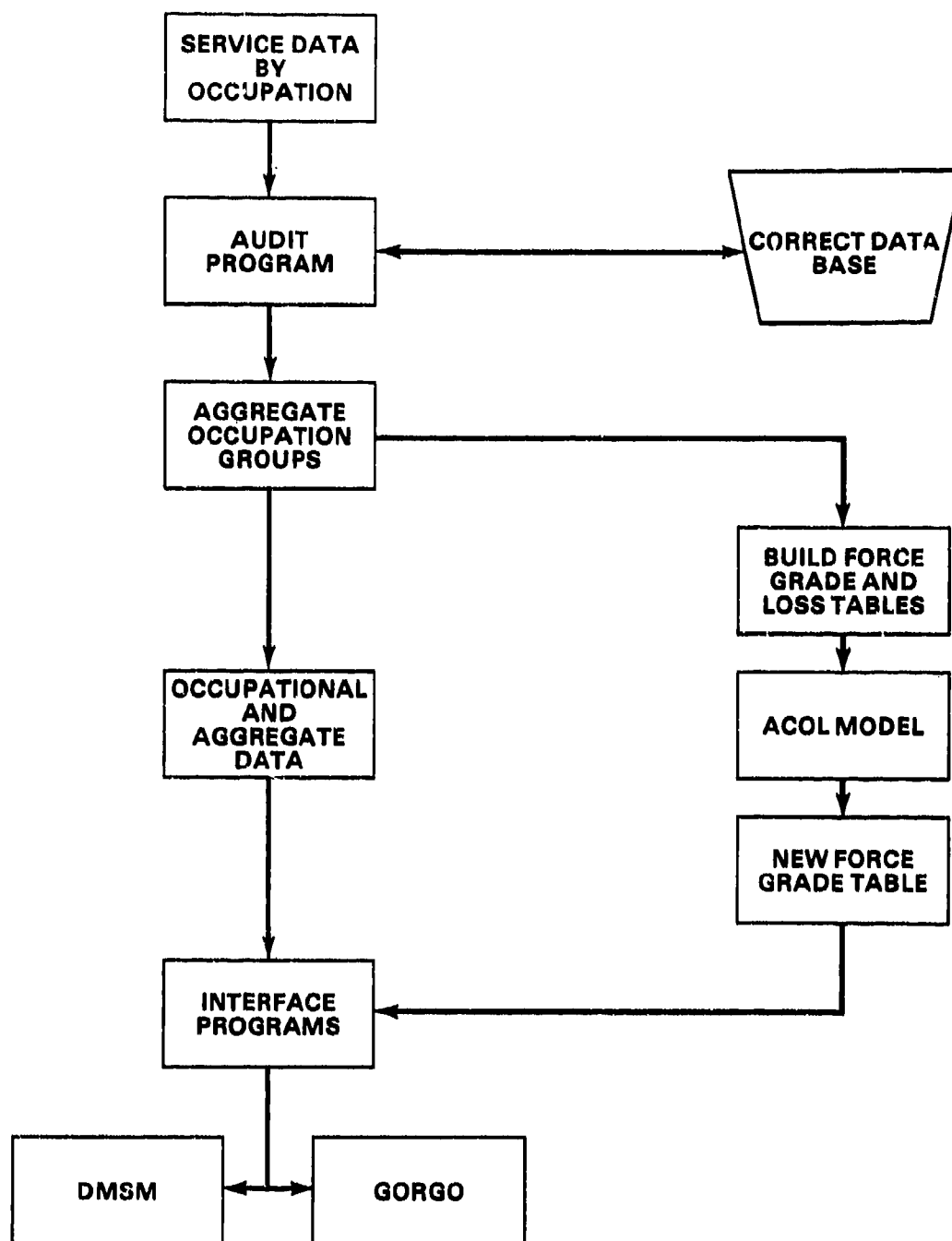
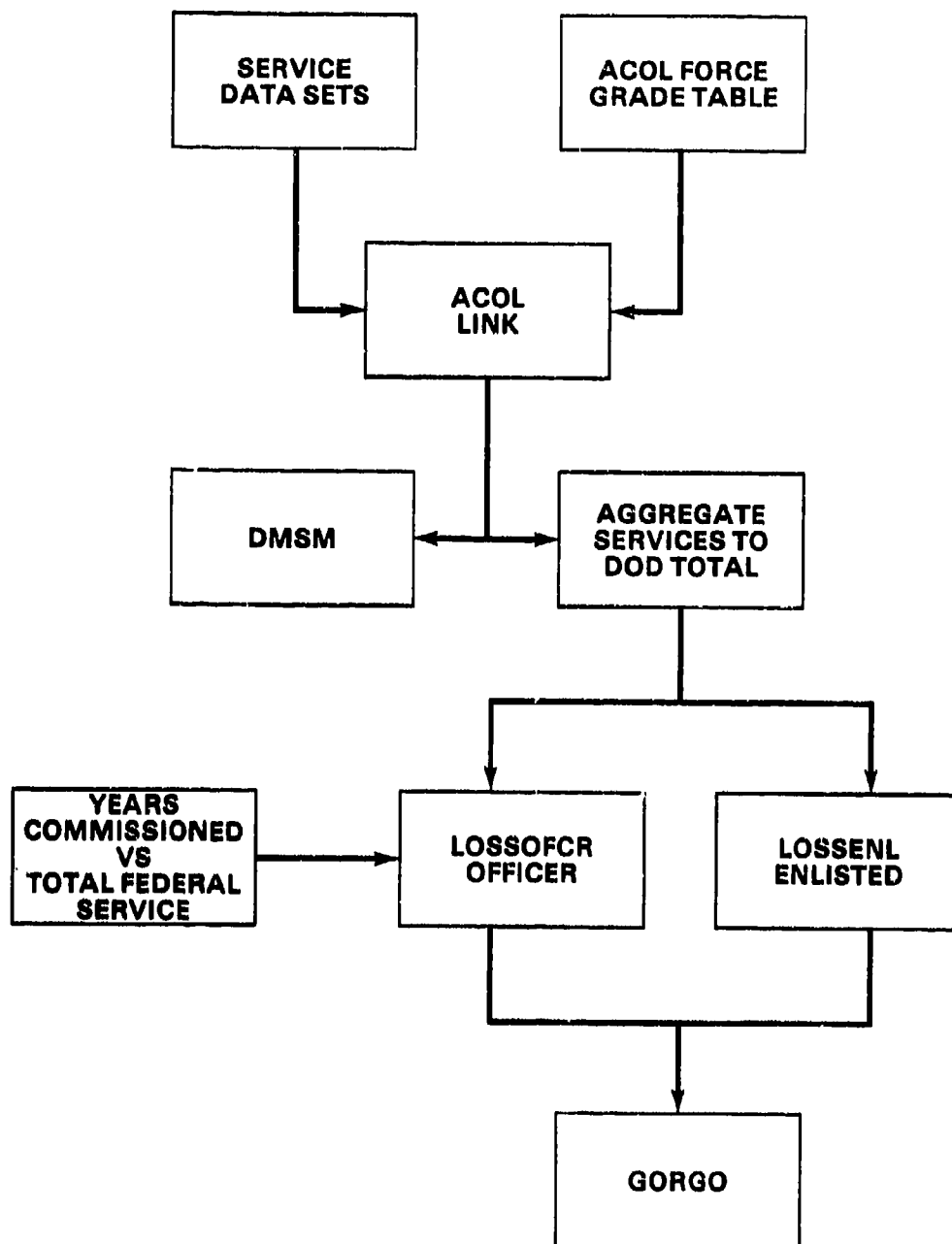


Figure J-2
Interface Programs Flow Chart



and Decrement tables for the same Service populations, including a DoD aggregate by population. The EXECs used to run each program is included with the program listing.

III. DATA VALIDATION AND AUDIT.

A. AUDIT PROGRAM. The majority of the Force Structure Flow Dynamic data sets submitted by the Services were in hard-copy form and manually entered onto disk storage. A FORTRAN audit program was designed to perform three major functions: (1) read and display the data to check for input errors; (2) check that the rates for each year of service (YOS) sum to 1.0000 and that the rates are consistent, i.e., the manpower strength in each YOS cell equals the sum of manpower in each flow category, the transition strengths out of a YOS cell matched the transition into the next YOS or YOS/grade cell, and that gains equal losses; and (3) descriptive displays and statistics are produced to provide an overall picture of the force structure. The eight types of output displays are described in detail below.

1. Flow Dynamics (Format 3). This is simply a reproduction of the input data set by occupational category (See Table J-1). Each page of the output represents a paygrade. In addition, the flow rates by YOS are summed to check that they add to 1.0000. This is the initial check for input typographical errors.

2. Flow Dynamics (Converted Format 3). This display, Table J-2, is similar to Table J-1 of the input data set, except the rates have been converted to manpower strengths in each flow dynamic category. This is computed simply by multiplying each rate across a YOS by the strength in that YOS.

3. Flow Reconciliation Table I. An example of this, the most critical output of the audit sequence, can be seen in Table J-3. It determines the consistency of the flow dynamics, or the transition, from one YOS to another and from grade to grade. The rates across a YOS represent losses from that YOS. There are nine ways (categories) by which an individual is lost to the Service (leaves the system), e.g., death or retirement. Transfers out, either to other occupational groups or to officer programs, are also considered losses to the system because there is no audit trail for those categories. The check for consistency is concerned primarily with categories of "remain-in-grade" and "promote-out." Remain-in-grade strength must flow into the next YOS. Promote-out strength must flow into the next grade and next YOS. The program checks this audit trail and compares the strength in a YOS cell with the strength that "flows" into that cell. The flow strength, $flow_i$, into YOS_i is represented by the formula:

$$RIG_{i-1} + GAIN_i + XIN_i + PROIN_{i-1,k-1} - PROUT_i - XOUT_i - LOSS_i$$

where: i = Years of Service,
 k = Pay Grade,

RIG_{i-1} = The number of people that remained in grade the previous YOS, and

$PROIN_{i-1,k-1}$ = The number of people who were promoted into YOS_i from the previous grade and YOS.

The other variables represent gains and losses to YOS_i.

4. Flow Reconciliation, Table II. Presented as Table J-4, this is an alternate form of Table J-3. It determines the consistency between gains and losses by YOS. In a steady-state force structure the gains must equal losses and each must equal the manpower strength in YOS_i.

5. Flow Dynamics (Sum Audit). Table J-5 is an example of this aggregate display across all grades, by YOS and occupational group. It is the first of the descriptive displays and simply shows the manpower distribution across all the flow dynamic categories by YOS.

6. Accession, Remain-in-Service and Loss Table. Another descriptive display, this table also aggregates an occupational group across grades (See Table J-6). It presents manpower strength by three major categories: gains, remain-in-Services losses and losses to Service. Losses to Service have been aggregated into retirement losses, losses due to other attrition and losses due to death.

7. Force Configuration Table (Format 2). This is simply a force grade table of the occupational group being audited. It displays average years of service, Table J-7.

8. Manpower Plot. This is a combination table/plot of manpower by YOS, Table J-8. It also displays the size of each YOS group as a percent of the cohort year group and continuation rates by YOS.

Table J-1
** FLOW DYNAMICS **
(FORMAT 3)

| ARMY | CURRENT | OBJ | ENLISTED | PAY | GRADE | 3 | XFER | TO | REMAIN | PRO | DEATH | DISA- | FORCE | VOLUN- | INVOL- | DISA- | FORCE | VOLUN- | INVOL- |
|--|---------|--------|----------|-------|----------|-----|------|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| YR | STREN | TO | GAINS | OTHER | TRANSFER | CAT | OFF | PGM | GRADE | OUT | | BILITY | CONTR | TARY | UNTARY | BILITY | CONTR | TARY | UNTARY |
| 1 | 132314 | 132314 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0002 | 0.5121 | 0.3608 | 0.0005 | 0.0007 | 0.0 | 0.0 | 0.0044 | 0.0020 | 0.0049 | 0.1144 |
| 2 | 67758 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0009 | 0.1640 | 0.5734 | 0.0006 | 0.0011 | 0.0 | 0.0 | 0.0017 | 0.0 | 0.0110 | 0.0066 |
| 3 | 23370 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0.2471 | 0.1870 | 0.0025 | 0.0063 | 0.0 | 0.0 | 0.0030 | 0.0005 | 0.1242 | 0.4294 |
| 4 | 5775 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0026 | 0.0 | 0.0 | 0.0009 | 0.0052 | 0.0 | 0.0 | 0.0035 | 0.9878 | 0.0 | 0.0 |
| 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 14 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 16 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 17 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 18 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 19 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 21 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 22 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 23 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 24 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 26 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 28 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 29 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 31 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 32 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 33 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 34 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 35 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| --229217, 132314, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0 | | | | | | | | | | | | | | | | | | | |
| --229217, 132314, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0 | | | | | | | | | | | | | | | | | | | |

** LOSS RATES **
(ROW TOTALS)

| YR | 1.0000 | 2.1.0000 | 3.1.0000 | 4.1.0000 | 5.0.0 | 6.0.0 | 7.0.0 | 8.0.0 | 9.0.0 | 10.0.0 | 11.0.0 | 12.0.0 | 13.0.0 |
|----|--------|----------|----------|----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 14 | 0.0 | 15.0.0 | 16.0.0 | 17.0.0 | 18.0.0 | 19.0.0 | 20.0.0 | 21.0.0 | 22.0.0 | 23.0.0 | 24.0.0 | 25.0.0 | 26.0.0 |
| 27 | 0.0 | 28.0.0 | 29.0.0 | 30.0.0 | 31.0.0 | 32.0.0 | 33.0.0 | 34.0.0 | 35.0.0 | | | | |

RUN DATE: 1/10/84

Table J-2
** FLOW DYNAMICS **
(CONVERTED FORMAT 3)

| ARMY | CURRENT | OBJ | ENLISTED | PAY | GRADE | 3 | XFER | TO | REMAIN | PRO | DEATH | DISA- | FORCE | VOLUN- | INVOL- | DISA- | FORCE | VOLUN- | INVOL- |
|--|---------|--------|----------|-------|----------|-----|------|-----|--------|-------|-------|--------|-------|--------|--------|--------|-------|--------|--------|
| YR | STREN | TO | GAINS | OTHER | TRANSFER | CAT | OFF | PGM | GRADE | OUT | | BILITY | CONTR | TARY | UNTARY | BILITY | CONTR | TARY | UNTARY |
| 1 | 132314 | 132314 | 0 | 0 | 0 | 0 | 0 | 26 | 67758 | 47739 | 66 | 93 | 0 | 0 | 0 | 582 | 205 | 648 | 19137 |
| 2 | 67758 | 0 | 0 | 0 | 0 | 0 | 0 | 61 | 23370 | 38852 | 41 | 75 | 0 | 0 | 0 | 115 | 0 | 745 | 4499 |
| 3 | 23370 | 0 | 0 | 0 | 0 | 0 | 0 | 15 | 5775 | 4370 | 58 | 147 | 0 | 0 | 0 | 70 | 12 | 2913 | 10033 |
| 4 | 5775 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 30 | 0 | 0 | 0 | 20 | 5709 | 0 | 0 |
| 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 14 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 16 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 17 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 18 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 19 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 21 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 22 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 23 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 24 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 26 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 28 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 29 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 31 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 32 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 33 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 34 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 35 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 229217, 132314, 0, 0, 0, 0, 102, 96902, 90952, 170, 344, 0, 0, 0, 788, 5981, 4296, 29671 | | | | | | | | | | | | | | | | | | | |

RUN DATE: 1/10/84

Table J-3

FLOW RECONCILIATION TABLE I
ARMY CURRENT OBJ ENLISTED
GRADE: 3

| YOSI | GIVEN | STRENGTH | FLOW | DIRECT | ACCESSION | PROMOTE | OUT | IN | OTHER | OFF | PCM | LOSS TO | DELTA | COMPUTED |
|------|---------|----------|------|---------|-----------|---------|-----|----|-------|-----|-----|---------|---------|----------|
| | | | | | INSRVC | | | | | | | SERVICE | GYN-FLO | STRENGTH |
| 1 | 132314. | 0. | 0. | 132314. | 0. | 47739. | 0. | 0. | 0. | 0. | 26. | 16791. | 0. | 132314. |
| 2 | 67758. | 67758. | 0. | 0. | 0. | 38952. | 0. | 0. | 0. | 0. | 61. | 5475. | 0. | 67758. |
| 3 | 23370. | 23370. | 0. | 0. | 0. | 4370. | 0. | 0. | 0. | 0. | 0. | 13225. | 0. | 23370. |
| 4 | 5775. | 5775. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 15. | 5760. | 0. | 5775. |
| 5 | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | -1. |
| 6 | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | -1. |
| 7 | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | -1. |
| 8 | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | -1. |
| 9 | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | -1. |
| 10 | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | -1. |
| 11 | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | -1. |
| 12 | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | -1. |
| 13 | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | -1. |
| 14 | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | -1. |
| 15 | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | -1. |
| 16 | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | -1. |
| 17 | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | -1. |
| 18 | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | -1. |
| 19 | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | -1. |
| 20 | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | -1. |
| 21 | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | -1. |
| 22 | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | -1. |
| 23 | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | -1. |
| 24 | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | -1. |
| 25 | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | -1. |
| 26 | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | -1. |
| 27 | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | -1. |
| 28 | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | -1. |
| 29 | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | -1. |
| 30 | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | -1. |
| 31 | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | -1. |
| 32 | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | -1. |
| 33 | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | -1. |
| 34 | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | -1. |
| 35 | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | -1. |

FLOW(I) = RIG(I-1) + GAIN(I) + XIM(I) - PROUT(I) + PROIN(I-1, K-1) - XOUT(I) - LOSS(I)

Table J-4

FLOW RECONCILIATION TABLE II
ARMY CURRENT OBJ ENLISTED
GRADE: 3

| YOSI | GAINS | REMAIN | GAINS | FROM | XFER | GAINS | FROM | DELTA | GIVEN | LOSSES | TO | XFER | LOSS | DELTA |
|------|---------|--------|-------|------|------|-------|------|----------|----------|--------|---------|--------|--------|----------|
| | | GRADE | IN | IN | IN | IN | IN | STRENGTH | STRENGTH | LOSSES | PROMOTE | OUT | TO | STRENGTH |
| 1 | 132314. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 132314. | 16791. | 67758. | 47739. | 26. | 132314. |
| 2 | 0. | 67758. | 0. | 0. | 0. | 0. | 0. | 0. | 67758. | 5475. | 38852. | 61. | 67758. | 0. |
| 3 | 0. | 23370. | 0. | 0. | 0. | 0. | 0. | 0. | 23370. | 13225. | 4370. | 0. | 23370. | 0. |
| 4 | 0. | 5775. | 0. | 0. | 0. | 0. | 0. | 0. | 5775. | 5760. | 0. | 15. | 5775. | 0. |
| 5 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 6 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 7 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 8 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 9 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 10 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 11 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 12 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 13 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 14 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 15 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 16 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 17 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 18 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 19 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 20 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 21 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 22 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 23 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 24 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 25 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 26 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 27 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 28 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 29 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 30 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 31 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 32 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 33 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 34 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 35 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |

Table J-5
FLOW DYNAMICS

| VR | STREN | CAINS | TO OTHER | ENLISTED | TRANSFER TO OTHER CAT | MEER OFF | TO POW | REMAIN GRADE | PRO CPT | DEATH | I<-ATTRITION - RETIREMENT->I<-> | | | | DISA - FORCE VOLUN - INVOL - | | | | ATTRITION - OTHER -> | | | | | | | | | | | |
|----------|--------|-------|----------|----------|-----------------------|----------|--------|--------------|---------|--------|---------------------------------|-------|-------|-------|------------------------------|-------|-------|-------|----------------------|-------|-------|-------|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | DISA BILITY | CONTR | CONTR | CONTR | DISA BILITY | CONTR | CONTR | CONTR | DISA BILITY | CONTR | CONTR | CONTR | | | | | | | | |
| 1123214 | 132314 | 0 | 0 | 0 | 0 | 0 | 0 | 26 | 57756 | 47739 | 66 | 93 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2115497 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 94 | 62444 | 45351 | 165 | 137 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3106496 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 37 | 32924 | 18880 | 455 | 801 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 51805 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 51 | 23228 | 8128 | 39 | 179 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5 31554 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 21 | 22602 | 5487 | 23 | 31 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6 28305 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 45 | 16149 | 5246 | 22 | 38 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7 22075 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 66 | 22759 | 5840 | 21 | 30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8 22075 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 97 | 13818 | 5242 | 28 | 81 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9 19096 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 90 | 14390 | 2351 | 33 | 61 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10 16741 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 132 | 13088 | 1170 | 23 | 41 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11 1425 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 85 | 11059 | 1776 | 37 | 78 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12 13075 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 92 | 10499 | 1776 | 27 | 35 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13 12775 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 48 | 5640 | 1229 | 14 | 52 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 14 10895 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 73 | 8460 | 1228 | 14 | 52 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 15 10486 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 40 | 9591 | 897 | 18 | 65 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 16 10486 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 37 | 9399 | 776 | 18 | 60 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 17 10174 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 19 | 5225 | 675 | 32 | 64 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 18 9900 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 8395 | 822 | 26 | 103 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 19 9577 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 8395 | 822 | 26 | 103 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 20 9218 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4759 | 672 | 6 | 102 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 21 7532 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2265 | 240 | 2 | 38 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 22 3225 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1275 | 393 | 4 | 16 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 23 2554 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 564 | 203 | 4 | 22 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 24 1668 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 940 | 94 | 0 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 25 1167 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 675 | 62 | 10 | 17 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 26 1034 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 512 | 36 | 3 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 27 717 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 404 | 8 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 28 548 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 319 | 4 | 0 | 12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 29 19 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 19 | 0 | 0 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 30 321 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 31 11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 32 12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 33 33 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 34 34 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 35 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 677802 | 132314 | 0 | 0 | 0 | 0 | 0 | 0 | 1176 | 38881 | 156275 | 1184 | 2384 | 1389 | 7539 | 0 | 1947 | 7439 | 66629 | 43062 | | | | | | | | | | | |

Table J-6

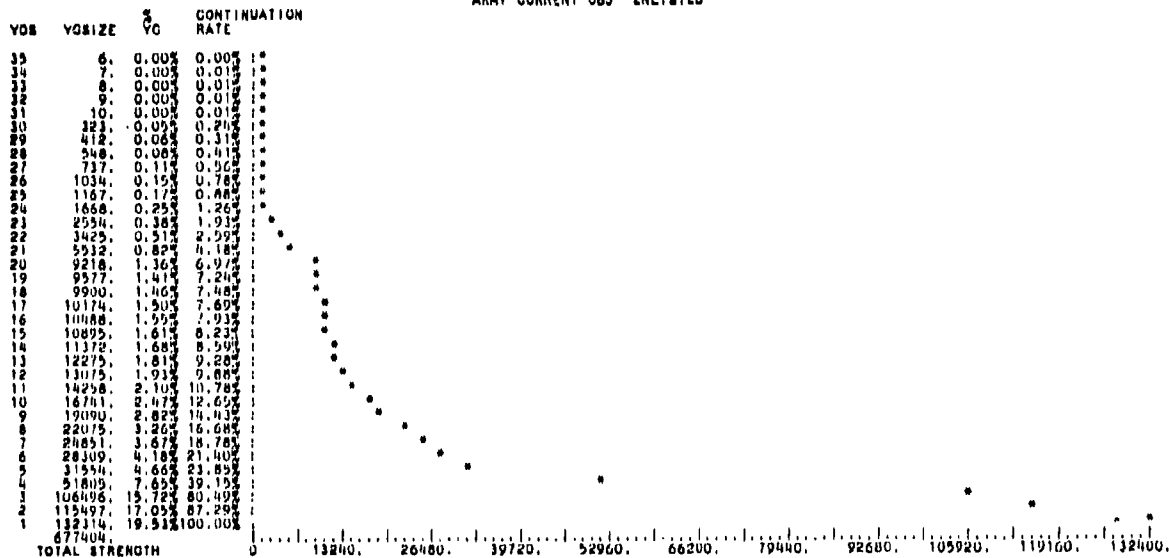
ACCESSION, REMAIN IN SERVICE AND LOSS TABLE
ARMY CURRENT OBJ ENLISTED

| YOS | STRENGTH | TO SERVICE | GAINS | | OTHR CATGRY | XFER OTHR | REMAIN IN SERVICE | | PROMOTE OUT | LOSSES TO SERVICE | | | TOTAL LOSSES |
|-------|----------|------------|-------|--------|-------------|-----------|-------------------|---------|-------------|-------------------|---------|---------|--------------|
| | | | OTHR | CATGRY | | | XFER | OPGM | | REMAIN GRADE | RETIRE | ATTRITE |  | DEATH |
| 1 | 132314. | 132314. | 0. | 0. | 0. | 0. | 26. | 67758. | 47739. | 93. | 16632. | 66. | 16791. |
| 2 | 115497. | 0. | 0. | 0. | 0. | 0. | 94. | 62444. | 44051. | 137. | 8606. | 165. | 8907. |
| 3 | 106496. | 0. | 0. | 0. | 0. | 0. | 37. | 32924. | 18880. | 801. | 53397. | 455. | 54654. |
| 4 | 51805. | 0. | 0. | 0. | 0. | 0. | 51. | 23228. | 8326. | 119. | 20042. | 39. | 20200. |
| 5 | 31554. | 0. | 0. | 0. | 0. | 0. | 51. | 22862. | 5447. | 31. | 3140. | 23. | 3194. |
| 6 | 28309. | 0. | 0. | 0. | 0. | 0. | 66. | 22221. | 2630. | 80. | 3262. | 51. | 3393. |
| 7 | 24851. | 0. | 0. | 0. | 0. | 0. | 87. | 16139. | 5936. | 34. | 2633. | 22. | 2689. |
| 8 | 22075. | 0. | 0. | 0. | 0. | 0. | 97. | 13848. | 5242. | 81. | 2779. | 28. | 2888. |
| 9 | 19090. | 0. | 0. | 0. | 0. | 0. | 90. | 14390. | 2351. | 61. | 2165. | 33. | 2259. |
| 10 | 16741. | 0. | 0. | 0. | 0. | 0. | 132. | 13088. | 1170. | 41. | 2287. | 23. | 2351. |
| 11 | 14258. | 0. | 0. | 0. | 0. | 0. | 85. | 11099. | 1976. | 78. | 594. | 37. | 1098. |
| 12 | 13075. | 0. | 0. | 0. | 0. | 0. | 82. | 10499. | 1776. | 35. | 656. | 27. | 718. |
| 13 | 12275. | 0. | 0. | 0. | 0. | 0. | 74. | 8786. | 2586. | 87. | 722. | 20. | 829. |
| 14 | 11372. | 0. | 0. | 0. | 0. | 0. | 93. | 9670. | 1225. | 52. | 318. | 14. | 384. |
| 15 | 10895. | 0. | 0. | 0. | 0. | 0. | 40. | 9591. | 897. | 65. | 288. | 14. | 368. |
| 16 | 10488. | 0. | 0. | 0. | 0. | 0. | 37. | 9399. | 776. | 60. | 198. | 18. | 277. |
| 17 | 10174. | 0. | 0. | 0. | 0. | 0. | 19. | 9225. | 675. | 64. | 159. | 32. | 254. |
| 18 | 9900. | 0. | 0. | 0. | 0. | 0. | 9. | 8521. | 1056. | 76. | 175. | 62. | 313. |
| 19 | 9577. | 0. | 0. | 0. | 0. | 0. | 4. | 8395. | 822. | 103. | 227. | 26. | 356. |
| 20 | 9218. | 0. | 0. | 0. | 0. | 0. | 0. | 4559. | 972. | 3681. | 0. | 6. | 3687. |
| 21 | 5532. | 0. | 0. | 0. | 0. | 0. | 0. | 2772. | 654. | 2105. | 0. | 2. | 2107. |
| 22 | 3425. | 0. | 0. | 0. | 0. | 0. | 0. | 2265. | 289. | 869. | 0. | 2. | 871. |
| 23 | 2554. | 0. | 0. | 0. | 0. | 0. | 0. | 1275. | 393. | 882. | 0. | 4. | 886. |
| 24 | 1668. | 0. | 0. | 0. | 0. | 0. | 0. | 954. | 203. | 497. | 0. | 4. | 501. |
| 25 | 1167. | 0. | 0. | 0. | 0. | 0. | 0. | 940. | 94. | 133. | 0. | 0. | 133. |
| 26 | 1034. | 0. | 0. | 0. | 0. | 0. | 0. | 675. | 62. | 287. | 0. | 10. | 297. |
| 27 | 737. | 0. | 0. | 0. | 0. | 0. | 0. | 512. | 36. | 189. | 0. | 0. | 189. |
| 28 | 548. | 0. | 0. | 0. | 0. | 0. | 0. | 404. | 8. | 135. | 0. | 1. | 136. |
| 29 | 412. | 0. | 0. | 0. | 0. | 0. | 0. | 319. | 4. | 89. | 0. | 0. | 89. |
| 30 | 323. | 0. | 0. | 0. | 0. | 0. | 0. | 10. | 0. | 312. | 0. | 1. | 313. |
| 31 | 10. | 0. | 0. | 0. | 0. | 0. | 0. | 9. | 0. | 1. | 0. | 0. | 1. |
| 32 | 9. | 0. | 0. | 0. | 0. | 0. | 0. | 8. | 0. | 1. | 0. | 0. | 1. |
| 33 | 8. | 0. | 0. | 0. | 0. | 0. | 0. | 7. | 0. | 1. | 0. | 0. | 1. |
| 34 | 7. | 0. | 0. | 0. | 0. | 0. | 0. | 6. | 0. | 1. | 0. | 0. | 1. |
| 35 | 6. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 6. | 0. | 0. | 6. |
| TOT-> | 677402 | 132314. | 0. | 0. | 0. | 0. | 1176. | 388811. | 156275. | 11288. | 118668. | 11894. | 131140. |

Table J-7

FORCE CONFIGURATION (FORMAT 2)
ARMY CURRENT OBJ ENLISTED

| YR/GRADE | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | TOTAL | AVGYOS |
|-----------|----|----|---------|---------|---------|--------|--------|--------|-------|---------|--------|
| 1 | 0. | 0. | 132314. | 0. | 0. | 0. | 0. | 0. | 0. | 132314. | 0.5 |
| 2 | 0. | 0. | 67758. | 47739. | 0. | 0. | 0. | 0. | 0. | 115497. | 1.0 |
| 3 | 0. | 0. | 23370. | 77927. | 5199. | 0. | 0. | 0. | 0. | 106496. | 1.4 |
| 4 | 0. | 0. | 5775. | 28769. | 17261. | 0. | 0. | 0. | 0. | 51805. | 1.7 |
| 5 | 0. | 0. | 0. | 11298. | 20256. | 0. | 0. | 0. | 0. | 31554. | 1.9 |
| 6 | 0. | 0. | 0. | 5361. | 22273. | 675. | 0. | 0. | 0. | 28309. | 2.1 |
| 7 | 0. | 0. | 0. | 3548. | 19217. | 2086. | 0. | 0. | 0. | 24851. | 2.3 |
| 8 | 0. | 0. | 0. | 2391. | 12656. | 6974. | 511. | 0. | 0. | 22075. | 2.6 |
| 9 | 0. | 0. | 0. | 1679. | 6444. | 10893. | 741. | 0. | 0. | 19090. | 2.8 |
| 10 | 0. | 0. | 0. | 1314. | 3736. | 11475. | 216. | 0. | 0. | 16741. | 3.0 |
| 11 | 0. | 0. | 0. | 0. | 2515. | 11305. | 438. | 0. | 0. | 14258. | 3.2 |
| 12 | 0. | 0. | 0. | 0. | 1911. | 9206. | 1924. | 34. | 0. | 13075. | 3.4 |
| 13 | 0. | 0. | 0. | 0. | 1559. | 7345. | 3317. | 54. | 0. | 12275. | 3.5 |
| 14 | 0. | 0. | 0. | 0. | 1223. | 4684. | 5382. | 83. | 0. | 11372. | 3.7 |
| 15 | 0. | 0. | 0. | 0. | 1091. | 3481. | 6177. | 146. | 0. | 10895. | 3.9 |
| 16 | 0. | 0. | 0. | 0. | 1018. | 2670. | 6504. | 296. | 0. | 10488. | 4.1 |
| 17 | 0. | 0. | 0. | 0. | 964. | 2203. | 6377. | 619. | 11. | 10174. | 4.3 |
| 18 | 0. | 0. | 0. | 0. | 926. | 1993. | 5868. | 1098. | 15. | 9900. | 4.5 |
| 19 | 0. | 0. | 0. | 0. | 889. | 1879. | 4751. | 2034. | 24. | 9577. | 4.7 |
| 20 | 0. | 0. | 0. | 0. | 841. | 1773. | 3881. | 2680. | 43. | 9218. | 4.9 |
| 21 | 0. | 0. | 0. | 0. | 498. | 1013. | 1535. | 2407. | 79. | 5532. | 5.1 |
| 22 | 0. | 0. | 0. | 0. | 0. | 645. | 568. | 2056. | 156. | 3425. | 5.2 |
| 23 | 0. | 0. | 0. | 0. | 0. | 463. | 339. | 1457. | 295. | 2554. | 5.2 |
| 24 | 0. | 0. | 0. | 0. | 0. | 0. | 225. | 857. | 586. | 1668. | 5.3 |
| 25 | 0. | 0. | 0. | 0. | 0. | 0. | 135. | 432. | 600. | 1167. | 5.3 |
| 26 | 0. | 0. | 0. | 0. | 0. | 0. | 112. | 306. | 616. | 1034. | 5.3 |
| 27 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 183. | 554. | 737. | 5.3 |
| 28 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 101. | 447. | 548. | 5.4 |
| 29 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 65. | 347. | 412. | 5.4 |
| 30 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 51. | 272. | 323. | 5.4 |
| 31 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 10. | 10. | 5.4 |
| 32 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 9. | 9. | 5.4 |
| 33 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 8. | 8. | 5.4 |
| 34 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 7. | 7. | 5.4 |
| 35 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 6. | 6. | 5.4 |
| TOTAL --> | 0. | 0. | 229217. | 180026. | 120477. | 80763. | 47877. | 14959. | 4085. | 677404. | 5.4 |

Table J-8
ARMY CURRENT OBJ ENLISTED

B. DATA AGGREGATION PROGRAM. A utility program called AGGFORMT was developed by the QRMC to create a Service Total Force Structure Flow Dynamic aggregate data set from the occupational data sets submitted by the four Services. The program, a derivative of the AUDIT program, is coded in FORTRAN and executed by an EXEC program named AGGFORM3. It can be simply described as an additional routine.

Using the Army enlisted data set as an example, the program reads each of the nine occupational data sets sequentially, processing one grade at a time from paygrade E-1 through E-9. As the data is read in, the information that is coded as loss-reason rates is converted to integer whole numbers by multiplying the rate by the YOS strength. The converted information is added to a sum array of the same structure as the input data file. In effect, we are translating the rate information into strengths associated with each loss-reason category. The sum array is the cumulative total of all eighteen data elements of the flow dynamic data set by YOS and grade. After nine individual occupational data sets have been summed to a total Army enlisted data set, the appropriate loss-reason categories are translated back to rates by dividing the strengths in each category by the total strength in that YOS cell. The result is an Army Enlisted Total Force Structure Flow Dynamic data set.

C. UTILITY PROGRAMS. Part of the program interface function is the extraction of data from the Service data sets for inclusion in the ACOL data base. This data consists of sets of two tables, a Force Grade table and a loss table from each occupation and Service aggregate. This section describes two utility programs developed to provide those tables.

Both programs are derivatives of the AUDIT FORTRAN program and are executed by the EXEC program DODFG. A third program included in the EXEC, BUILD2, is used to scale a force structure based on an input data set of flow-dynamic rates. It does not directly relate to an interface function so it will not be discussed here.

The two programs run by DODFG EXEC are named FORCGRAD and LOSSDATA. They were extracted almost verbatim from the routines in the AUDIT program that produce the output in Tables J-6 and J-7 above. The only significant differences are that these tables are out-put as disk files to be placed in the ACOL data base and that the FORCGRAD program computes a column of total losses by YOS in place of average YOS. The output of LOSSDATA is identical to the AUDIT program output. (Program listings and sample output is contained in the attachment to this appendix.)

IV. MODEL INTERFACE PROGRAMS.

A. INTRODUCTION. The model interface programs perform two functions: (1) reformat the ACOL output data set for input to DMSM and, (2) build Force Grade and Decrement tables for input to GORGO. It was stated earlier in this section that the two interface programs consisted of four FORTRAN programs stacked within an EXEC program named DODLINK.

The four programs are ACOLINK, AGGRGATE, LOSSOFGR and LOSSEN. The program ACOLINK is the major program that builds the new Force Structure Flow Dynamic tables that are input to DMSM. The programs AGGRGATE, LOSSOFGR and LOSSEN use the same data sets produced by ACOLINK to create interface data sets for GORGO. There is a second EXEC program named OCCLINK that runs only occupation data sets through ACOLINK alone. Force Grade and Decrement tables by occupational groups were not produced for GORGO.

The operation of the EXEC programs, the ACOL/DMSM interface program ACOLINK and the programs that comprise the ACOL/GORGO interface are discussed below. (Sample input/output and program listings are contained in the attachment to this appendix.)

B. EXEC PROGRAMS. Utilization of the EXEC language processor installed on the CMS system allows the user greater flexibility over batch systems when repetitively executing programs written in higher order languages that input similarly formatted but different data sets. The EXEC processor also allows several FORTRAN programs to be stacked within the EXEC program and then executed sequentially. This is especially useful when data produced by one program is to be input to the next program in line. The EXEC program is, in effect, a main program and the inbedded FORTRAN programs are subroutines. The EXEC programs DODLINK and OCCLINK were designed to exploit these features of the EXEC processor to increase the efficiency of interfacing ACOL with DMSM and GORGO. Had the requirement to interface ACOL with DMSM and GORGO occurred simultaneously, a single FORTRAN could probably have been designed. However, this was not the case. The FORTRAN program ACOLINK was developed rather early in the study to interface ACOL with DMSM. The requirement to interface ACOL with GORGO came later, and so the FORTRAN program LOSSEN was developed. At the time LOSSEN was developed, ACOL did not have the capability to run officer force structures, so the need to develop LOSSOFGR came even later. The LOSSEN and LOSSOFGR are essentially the same, except LOSSOFGR contains an additional subroutine that converts years of commissioned service to years total Federal service.

Prior to the development of DODLINK, several separate operations were required to complete the interface function. First, ACOLINK was run to produce four enlisted and four officer Force Structure Flow Dynamic data sets, one for each Service and population. Next, the files were input to the utility program AGGRGATE to produce an officer DoD and an enlisted DoD aggregate file. The four data sets for each population produced by ACOL were input directly to DMSM. The four data sets plus the DoD aggregate were input to either LOSSEN or LOSSOFGR, depending on the population, to produce the Force Grade and Decrement tables for GORGO. Since this multiple step process would be required for every retirement option under consideration, the EXEC DODLINK was developed to reduce turnaround time and increase efficiency. One pass through DODLINK produces all the data required for DMSM and GORGO for a specific retirement option. The EXEC OCCLINK operates similarly, but produces only occupational group data for DMSM. (Program listings and sample terminal sessions for both EXECs are included in the attachment to this appendix.)

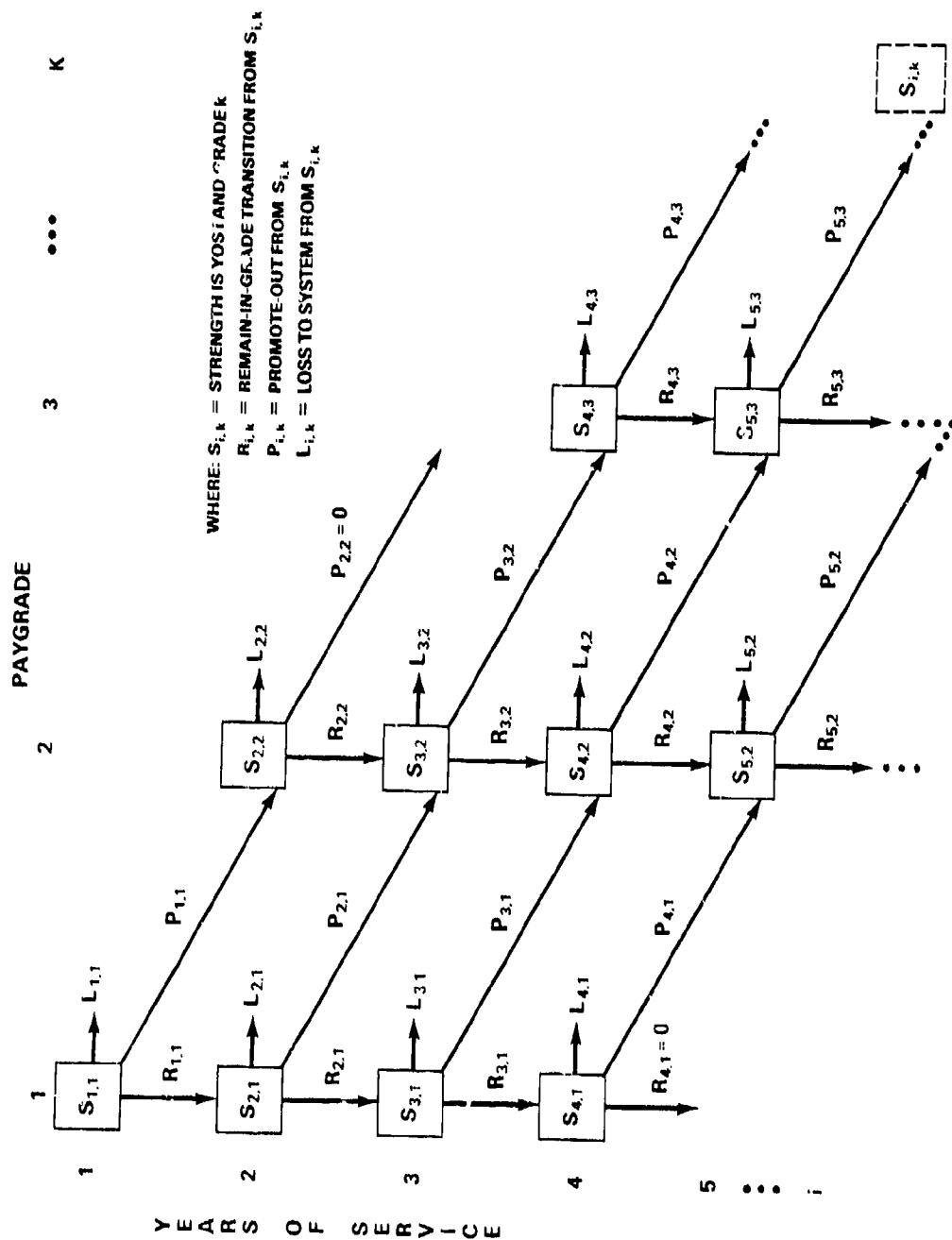
C. ACOL/DMSM INTERFACE PROGRAM.

1. General Description. The ACOL/DMSM interface program, coded in FORTRAN and labeled ACOLINK, restructures the output from ACOL into a format readable by DMSM. More than a simple format change, the program expands the two-dimensional Force Grade table produced by ACOL into a three-dimensional Force Structure Flow Dynamic table containing loss-reason flow rates by YOS across paygrade. Input consists of two data sets, a Force Structure Flow Dynamic table for a specific Service occupation group or Service aggregate and the respective Force Grade table produced by ACOL. The output flow dynamic table reflects the force structure changes predicted by ACOL and flow dynamic loss-reason rates, inferred from the input flow dynamic table, that support the new force structure. While the loss-reason rates have changed between the input and output flow dynamics, the underlying Service policies remain in effect. The rate of promotion out of a YOS and grade may change, however the YOS and grade at which promotion occurs remains intact. This holds true for the other flow categories also. The only exceptions occur when ACOL predicts a strength void in a particular YOS/grade cell. (Examples of input, output and the program listing are contained in the Attachment to this appendix.)

b. ACOLINK Methodology. ACOLINK consists of a main program and three subroutines. The main program performs the input/output functions, a simple calculation to compute the total losses by YOS from the ACOL force structure, and a rounding routine to correct for machine-induced arithmetic errors in the fourth decimal place. Two of the subroutines, LOSDIS and CHANGE, contain the routines that do the actual computations to be discussed. The subroutine LOSDIS computes a loss-distribution array across grades. The subroutine CHANGE computes the remain-in-grade and promote-out rates using boundary conditions and the loss-distribution array as constraints. It completes the flow dynamic table by proportionally distributing the losses, by grade across the eleven loss-reason categories. The third subroutine, ERPRINT, is a diagnostic routine that outputs various data elements and arrays created within the program. This information was used for error analysis during program development (i.e., "Debug" phase). This subroutine has been retained for use in future refinements or modifications. The discussion that follows focuses on the major computational steps of the program rather than a line-by-line documentation of the code.

The basic concept involves the determination of the flow dynamics, or manpower transitions, into and out of a YOS/grade cell of a force grade table which is a two-dimensional array of cells that contain manpower strengths for a range of YOS and grades. In a steady-state, closed personnel system, manpower transitions from cell to cell over succeeding years or is lost to the system. Figure J-3 illustrates a simplified force grade table which indicates all possible transition paths.

Figure J-3
Sample Force Grade Table



It can be seen from Figure J-3 that there are two transitions into a cell and three transitions out of a cell. It is assumed that there are no lateral accessions to the system beyond the first YOS and grade and that diagonal transitions are always to the right, i.e., no demotions. The transition process can be represented symbolically by the equations:

$$(1) \quad S_{i,k} = R_{i,k} + P_{i,k} + L_{i,k}$$

and

$$(2) \quad S_{i,k} = R_{i-1,k} + P_{i-1,k-1}.$$

Obviously, if the value of any two of the unknowns in equation (1) can be determined then the third can be solved since $S_{i,k}$ is given. This is also true for equation (2). It is impossible to solve identically for all variables based on the input data sets. However, through boundary conditions and other constraints, it is possible to arrive at a best feasible solution.

Since the total number of losses by YOS is known, it seems reasonable to solve equation (1) for $L_{i,k}$, subject to the constraints that the sum of the losses across grade is equal to the total losses for that YOS represented by the equation:

$$(3) \quad \sum_{k=1}^n L_{i,k} = \text{Lost}_i, \text{ for } i = 1, 35$$

and also subject to the constraint:

$$(4) \quad L_{i,k} \leq S_{i,k}$$

which means that the losses out of a cell cannot exceed that cell's total manpower. A distribution of losses by grade can be easily determined from the input flow dynamic table. It was initially thought that this distribution could be applied to the ACOL losses by YOS to solve for $L_{i,k}$ by simply proportioning the losses across grade according to the Flow Dynamic distribution. However, it was observed that, in instances where there was a radical change in the force structure between the input and ACOL output, an inversion in loss rates by YOS occurs. An inversion is a situation in which the relationship between the remain-in-Service rate and the loss-to-Service rate is reversed between the input and output force structure. The remain-in-Service rate is the sum of the remain-in-grade and promote-out rates; the loss-to-Service rate is the sum of all the other loss-reason rates, or simply one minus the remain-in-Service rate. Alternatively, since we can compute the loss rate by YOS

for both the Flow Dynamic and ACOL Force Grade tables, let us define the remain-in-Service rate as $1 - LR_1$ for YOS_1 since the sum of all loss-reason rates, including remain-in-grade and promote-out, equals one. Therefore, an inversion occurs when we have a situation such that:

$$1 - LR_1 < LR_1, \text{ for the Flow Dynamics table}$$

and

$$1 - LR_1 > LR_1, \text{ for the ACOL Force Grade table,}$$

or vice versa.

Instead of being able to solve for $L_{1,k}$ in equation (3) through a proportional distribution according to the Flow Dynamic loss distribution, we need to apply an additional factor defined as the loss ratio by YOS, $LRATIO_1$, derived from the equation:

$$LRATIO_1 = \frac{FLOSSR_1}{ALOSSR_1}$$

where,

$FLOSSR_1$ = Flow Dynamic loss rate for YOS_1 and
 $ALOSSR_1$ = ACOL loss rate for YOS_1 .

Next, we can determine the YOS-by-grade distribution of loss rates for each cell in the ACOL Force Grade table by the equation:

$$CELL_{1,k} = \frac{LOSSR_{1,k}}{LRATIO_1}$$

where,

$LOSSR_{1,k}$ = Flow Dynamic loss rate for YOS_1 and grade k .

Now, we can solve for the distribution of losses by grade for ACOL by the equation:

$$L_{1,k} = S_{1,k} * CELL_{1,k}.$$

This is the initial solution for the loss distribution across grades. The program continues with a routine to refine this solution of $L_{1,k}$ according to the constraints in equations (3) and (4). In addition, there is constraint associated with the left boundary. Referring back to Figure J-3, notice that the strengths in grade one are equal to the remain-in-grade transitions from the previous YOS or $S_{j+1,1} = R_{1,1}$. This constraint is extended to the remaining grades where the cell is also a left boundary, i.e., for any $S_{1,k}$ where $S_{1,k-1} = 0$. Although $S_{1,k}$ may derive some promote-in strength from $S_{1-1,k-1}$, a limit is never-

theless placed on $L_{i-1,k}$ to preclude a manpower decrement in later calculations. This constraint is now written as:

$$(5) \quad L_{i,k} \leq S_{i,k} - S_{i+1,k}$$

when $S_{i,k-1} = 0$.

If $L_{i,k}$ exceeds the limits set by equations (4) and (5), then $L_{i,k}$ is limited to a maximum value by the equation:

$$\text{MAX } L_{i,k} = (S_{i,k} - S_{i+1,k}) - (S_{i,k} \text{ CELL}_{i,k}).$$

If $\text{MAX } L_{i,k} < 0$, then $\text{MAX } L_{i,k}$ is set to the original value of $L_{i,k}$ for later adjustment in the subroutine labeled CHANGE. If the input flow dynamic rates dictate that there is no remain-in-Service rate associated with $S_{i,k}$, then $\text{MAX } L_{i,k} = S_{i,k}$. Next, the program satisfies the constraint of equation (3) by holding $\text{MAX } L_{i,k}$ and LOST_i constant and proportionally redistributes the remaining $L_{i,k}$ in YOS_i . This routine is iterated across all grades and then increments to the next YOS . Thus, we have a second, but not final, solution for $L_{i,k}$.

We now enter the subroutine CHANGE to solve for the remain-in-grade, $R_{i,k}$, and promote-out, $P_{i,k}$, transitions. Referring to Figure J-3 throughout this discussion will aid the reader in understanding the methodology.

The first step in CHANGE is to solve for $R_{i,k}$ and $P_{i,k}$ according to the constraints associated with the left boundary. Recall from our previous discussion of the left boundary that $R_{i,k} = S_{i+1,k}$. We know $S_{i,k}$ and have computed $L_{i,k}$, so now substituting $S_{i+1,k}$ for $R_{i,k}$ in equation (1) we can solve for $P_{i,k}$. In the steady-state, closed personnel structure we have constructed, we can solve for $P_{1,1}$ by inspection since we know the values for $S_{1,1}$, $S_{2,1}$ and $L_{1,1}$. Now, we check to see if $S_{i,k}$ is a non-promoting cell, that is $S_{i+1,k+1} = 0$, in other words, no diagonal transition. If that is the case, then $P_{i,k} = 0$ and $L_{i,k} = S_{i,k} - R_{i,k}$; and, we recompute the remaining $L_{i,k}$ across grade for that YOS in the same fashion as before in the LOSDIS subroutine. However, if a diagonal transition is allowed from $S_{i,k}$ then $P_{i,k}$ must satisfy the constraint: $P_{i,k} \leq S_{i+1,k+1}$. This means that more manpower cannot be promoted into a cell than is specified to exist there. If this constraint is not satisfied then $P_{i,k}$ is set equal to $S_{i+1,k+1}$ and $L_{i,k}$ is recomputed; the remainder of the $L_{i,k}$'s are redistributed as before to satisfy equation (3).

If we are not operating on a boundary, then we must contend with an internal solution to solve for $R_{i,k}$ and $P_{i,k}$ according to equation (2). This can be rewritten as: $R_{i,k} = S_{i+1,k} - P_{i,k-1}$ where, again, we know $S_{i+1,k}$ and the value for $P_{i,k-1}$, computed during the previous iteration on k . Then we use equation (1) to solve for $P_{i,k}$ as before, then determine whether the $P_{i,k}$ transition is allowed and make adjustments to $P_{i,k}$ and/or $L_{i,k}$ as before.

At the completion of this process we will have solved for $R_{1,k}$, $P_{1,k}$ and $L_{1,k}$ which reside in arrays that are images of the ACOL Force Grade table. We will have a Remain Grade table, Promote Grade table and Loss Grade table. It is now a rather simple matter to convert the three transition variables into transition rates, or probabilities, by dividing each variable by the manpower strength associated with the respective YOS/grade cell. The remain and promote transition rates are directly equal to the flow dynamic rates for remain-in-grade and promote-out, respectively. The loss transition rate is proportionally distributed across the remaining eleven loss-reason categories according to the loss-rate distribution that exists in the input flow dynamic table. Control is returned to the main program and a new Force Structure Flow Dynamic table is output reflecting the new ACOL force structure.

D. ACOL/GORGO INTERFACE PROGRAM.

1. General Description. The interface between ACOL and GORGO is through the three FORTRAN programs AGGRGATE, LOSSEN and LOSSOFCR, included as subroutines in the EXEC program DODLINK described above. Input consists of the Total Force Structure Flow Dynamic table for each Service aggregate for officer and enlisted populations produced by the ACOLINK program within the EXEC. The purpose of the program is to produce Force Grade and Decrement tables in a format compatible with the GORGO model. The program restructures the data contained in the Flow Dynamic tables by combining certain data elements. The GORGO model inputs six decrement rates by YOS, while the Flow Dynamic table contains eleven categories of force-decrement or loss-reason rates. The six categories are withdrawal (leaving with no benefit), death, non-disability retirement, temporary disability retirement and transfer. Table J-9 lists the decrement rates and illustrates which categories of the eleven Flow Dynamic loss-reason rates were combined into the six decrement rates.

2. AGGRGATE Program. The AGGRGATE program is essentially the data aggregation program described in paragraph III.B. It has been modified to run as a subroutine within the EXEC DODLINK. Its purpose is to create a DoD aggregate-force structure from the four Service Flow Dynamic tables. It simply adds the four Services by officer or enlisted population to a DoD total.

3. LOSSEN Program. This program operates on the enlisted data sets. It reads in the DoD and four Services aggregate Force Structure Flow Dynamic tables and produces the Force Grade and Decrement tables. The Force Grade table is created from the YOS strength column, by grade, from the Flow Dynamic table. The Decrement table is created by first translating the loss-reason rates in the Flow Dynamic table into strengths. The appropriate categories are summed according to the specifications in Table J-9 to produce the six decrement-rate categories. The categories are then summed, by YOS, across all grades to produce a 35 by 6 array, i.e., 35 YOS by 6 categories, of the strengths in each decrement category. The decrement rates are then computed by YOS using the formulas in

Table J-10. The output of twenty tables, (two tables for DoD and one for each Service, i.e., each population) is placed on magnetic tape for input to the GORGO model.

4. LOSSOFGR Program. The procedure for the officer population is essentially the same as described above, with one exception. The GORGO model assumes that YOS is total Federal service. The QRMG defined officer YOS to be years of commissioned service; so, an adjustment to the officer data was required to make the data consistent with the GORGO requirements. The Defense Manpower Data Center (DMDG) provided a data set that contained FY76-FY82 officer file cell counts and 7-year averaging by years of total Federal service, years of commissioned service, occupation code, paygrade and Service. From this data, a 35 by 35 adjustment array was constructed. It contained the 7-year average of the percent of officers with years commissioned service, i, and years' total Federal service, j, by paygrade and Service. This adjustment factor was applied to the Flow Dynamic table to convert years' commissioned service to years' total Federal service.

TABLE J-9
Conversion of Flow Dynamic Loss-Reason Categories
to Decrement-Reason Categories

| <u>Loss-Reason Category</u> | <u>Decrement-Reason Category</u> |
|---|------------------------------------|
| Death | Death |
| Transfer to Officer Programs | Transfer Rates |
| Attrition - Retirement
Disability | Permanent Disability
Retirement |
| Attrition - Retirement
Force Control
Voluntary
Involuntary | Non-Disability Retirement |
| Attrition - Other
Disability | Temporary Disability
Retirement |
| Attrition - Other
Force Control
Voluntary
Involuntary | Withdrawal |

TABLE J-10
Decrement Rate Formulas

WITHDRAWAL =

$$\frac{\text{WITHDRAWAL}}{\text{TOTAL STRENGTH (YOS)}}$$

DEATH =

$$\frac{\text{DEATH}}{\text{TOTAL STRENGTH (YOS)} - 1/2 (\text{WITHDRAWAL} + \text{NON-DISABILITY})}$$

NON-DISABILITY =

$$\frac{\text{NON-DISABILITY}}{\text{TOTAL STRENGTH (YOS)}}$$

TEMPORARY DISABILITY =

$$\frac{\text{TEMPORARY DISABILITY}}{\text{TOTAL STRENGTH (YOS)} - 1/2 (\text{WITHDRAWAL} + \text{NON-DISABILITY})}$$

PERMANENT DISABILITY =

$$\frac{\text{PERMANENT DISABILITY}}{\text{TOTAL STRENGTH (YOS)} - 1/2 (\text{WITHDRAWAL} + \text{NON-DISABILITY})}$$

TRANSFER =

$$\frac{\text{TRANSFER}}{\text{TOTAL STRENGTH (YOS)} - 1/2 (\text{WITHDRAWAL} + \text{NON-DISABILITY})}$$

Attachment 1 to Appendix J
Audit Program

J-25

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Attachment 1a. to Appendix J
Sample Terminal Session
Audit Program

***** SAMPLE TERMINAL SESSION FOR THE AUDIT PROGRAM *****

FIRST SESSION ON OFFICER DATA FOLLOWED BY ENLISTED EXAMPLE.
NOTE: USER RESPONSE IS INDICATED BY < >.

AUDIT<-- COMMAND TO EXECUTE THE PROGRAM
ENTER USERID WHERE DATA EXISTS (8 CHAR MAX)
<QRMC1NAM>
DASD 194 DETACHED
DMSACC723I B (194) R/O
ENTER FILENAME OF DATA SET TO AUDIT (EG. ACEO9CAT)
<NCO10CAT>

ENTER FILETYPE (EG. CURRENT) .
<CURRENT>
DO YOU WANT OUTPUT TO GO TO DISK OR PRINTER?
PRINTER = 2
DISK = 10
<10>

NOTE: THE AUDIT PROGRAM IS DESIGNED TO OPERATE ON ONE OCCUPATIONAL
GROUP AT A TIME, I.E., CONCATENATED FILES REQUIRE THAT THE SPECIFIED
OCCUPATIONAL GROUP BE EXTRACTED. THIS EXEC DOES THAT FUNCTION.

DOES THIS DATA SET CONTAIN CONCATENATED FILES ?(YES|NO).
<YES>
ENTER RUNTYPE ENLISTED = 1; OFFICER = 2; WARRANT = 3; DOD = 4;
<2>

SPECIFY WHICH OCC GROUP TO PROCESS ACCORDING TO THE MENU

| CODE | ARMY | NAVY | USMC | USAF | CODE |
|------|----------|----------|---------|----------|------|
| 0 |JAG |JAG |JAG |JAG | 0 |
| 1 |CHAP |CHAP |PLT |CHAP | 1 |
| 2 |MED |MED |NAV |MED | 2 |
| 3 |DEN |DEN |CBT |DEN | 3 |
| 4 |NRS |NRS |SUP |NRS | 4 |
| 5 |VET |MSC |OTR |MSC | 5 |
| 6 |MSC |PLT |BSC |BSC | 6 |
| 7 |BSC |NAV |PLT |PLT | 7 |
| 8 |PLT |CBT |NAV |NAV | 8 |
| 9 |CBT |OTR |SUP |SUP | 9 |
| 10 |SUP |S-E |S-E |S-E | 10 |
| 11 |OTR |OTR |OTR |OTR | 11 |

<6>

*** AUDIT PROGRAM ***

THE PROGRAM PERFORMS FIVE AUDIT FUNCTIONS IN RESPONSE TO USER INPUTS.
AUDIT FUNCTIONS:

1. DISPLAY OF FORMAT THREE INPUT DATA BY GRADE, SUMS THE FLOW RATES
BY YOS AND DISPLAYS THE SUM OF THE RATES.
2. DISPLAY OF FORMAT THREE DATA WITH RATES CONVERTED TO STRENGTHS.
3. TWO FLOW RECONCILIATION TABLES TO AUDIT YOS TO YOS AND GRADE

TO GRADE FLOW.

4. THREE TABLES OF SUMMARY DATA:

TABLE 1: FORMAT THREE AGGREGATE.

TABLE 2: FORCE CONFIGURATION, GRADE BY YOS.

TABLE 3: ACCESSION, REMAIN IN GRADE, AND LOSS TABLE.

5. GRAPHICAL PLOT OF FORCE STRUCTURE.

*** PRESS ENTER (S/R) TO CONTINUE ***

SUGGESTED SEQUENCE:

1. ON FIRST RUN REQUEST ONLY THE FIRST DISPLAY TO CHECK THAT ALL DATA HAS BEEN ENTERED CORRECTLY AND THAT ALL RATES ADD TO 1.0000. THE AUDIT PROGRAM IS INVALID UNLESS ALL RATES ADD EXACTLY TO 1.0000.
2. ON SECOND RUN REQUEST FLOW RECONCILIATION TABLES AND FORMAT THREE STRENGTH DATA, I.E., ANSWER YES TO SECOND AND THIRD QUESTION.
3. ONCE FLOWS HAVE BEEN RESOLVED THEN THE THREE TABLE SUMMARY DATA AND THE FORCE STRUCTURE GRAPH CAN BE RUN.

*** PRESS ENTER (S/R) TO CONTINUE ***

WHICH GRADES DO YOU WANT TO AUDIT ?

THE FIRST NUMBER INDICATES WHICH GRADE TO START WITH AND

THE SECOND NUMBER INDICATES THE LAST GRADE TO AUDIT.

ENTER TWO, ONE DIGIT NUMBERS SEPARATED BY A SPACE OR COMMA.

| | ARMY | NAVY | USAF | USMC | CGRD | NOAA | USPH |
|----------|------|------|------|------|------|------|------|
| ENLISTED | 3,9 | 3,9 | 3,9 | 3,9 | 3,9 | -- | -- |
| WO | 1,4 | 1,4 | -- | 1,4 | 1,4 | -- | -- |
| OFF/TOT | 1,6 | -- | 1,6 | 1,6 | 1,6 | 1,6 | 1,6 |
| OFF/URL | -- | 1,6 | -- | 1,6 | -- | -- | -- |
| OFF/RL | -- | 1,6 | -- | -- | -- | -- | -- |
| OFF/LDO | -- | -- | -- | 2,5 | -- | -- | -- |

<1 1>

*** AUDIT OPTIONS ***

ANSWER YES OR NO TO THE FOLLOWING QUESTIONS:

#1--FORMAT THREE DISPLAY OF RATES BY GRADE AND YOS?

<YES>

#2--FORMAT THREE DISPLAY OF STRENGTHS BY GRADE AND YOS?

<YES>

#3--FLOW DYNAMIC TABLES I AND II?

<YES>

#4--THREE TABLES OF SUMMARY STATISTICS?

<YES>

#4A--DO YOU WANT THE LOSS TABLE SENT TO DISK?

<NO>

#5--GRAPH OF FORCE STRUCTURE?

<YES>

YOU HAVE READ IN DATA FOR 6 PAYGRADES.

DO YOU WANT TO AUDIT ANOTHER FILE ? (YES|NO) .

<YES>

ENTER FILENAME OF DATA SET TO AUDIT (EG. ACE09CAT)

<DCE04ACL>

ENTER FILETYPE (EG. CURRENT) .

<CURRENT>

DO YOU WANT OUTPUT TO GO TO DISK OR PRINTER?

PRINTER = 2

DISK = 10

<10>

NOTE: THE AUDIT PROGRAM IS DESIGNED TO OPERATE ON ONE OCCUPATIONAL GROUP AT A TIME, I.E., CONCATENATED FILES REQUIRE THAT THE SPECIFIED OCCUPATIONAL GROUP BE EXTRACTED. THIS EXEC DOES THAT FUNCTION.

DOES THIS DATA SET CONTAIN CONCATENATED FILES ?(YES|NO).

<YES>

ENTER RUNTYPE ENLISTED = 1; OFFICER = 2; WARRANT = 3; DOD = 4;

<1>

ENTER WHICH OCC GROUP TO PROCESS

| STANDARD | USMC |
|----------|------|
|----------|------|

| | |
|----------|---|
| 00XX = 0 | 0 |
|----------|---|

| | |
|----------|---|
| 01XX = 1 | 1 |
|----------|---|

| | |
|----------|---|
| 02XX = 2 | 2 |
|----------|---|

| | |
|----------|---|
| 03XX = 3 | - |
|----------|---|

| | |
|----------|---|
| 04XX = 4 | 3 |
|----------|---|

| | |
|----------|---|
| 05XX = 5 | 4 |
|----------|---|

| | |
|----------|---|
| 06XX = 6 | 5 |
|----------|---|

| | |
|----------|---|
| 07XX = 7 | 6 |
|----------|---|

| | |
|----------|---|
| 08XX = 8 | 7 |
|----------|---|

| | |
|----------|---|
| 09XX = - | 8 |
|----------|---|

<2>

*** AUDIT PROGRAM ***

THE PROGRAM PERFORMS FIVE AUDIT FUNCTIONS IN RESPONSE TO USER INPUTS.
AUDIT FUNCTIONS:

1. DISPLAY OF FORMAT THREE INPUT DATA BY GRADE, SUMS THE FLOW RATES BY YOS AND DISPLAYS THE SUM OF THE RATES.
2. DISPLAY OF FORMAT THREE DATA WITH RATES CONVERTED TO STRENGTHS.
3. TWO FLOW RECONCILIATION TABLES TO AUDIT YOS TO YOS AND GRADE TO GRADE FLOW.
4. THREE TABLES OF SUMMARY DATA:
TABLE 1: FORMAT THREE AGGREGATE.
TABLE 2: FORCE CONFIGURATION, GRADE BY YOS.
TABLE 3: ACCESSION, REMAIN IN GRADE, AND LOSS TABLE.
5. GRAPHICAL PLOT OF FORCE STRUCTURE.

*** PRESS ENTER (S/R) TO CONTINUE ***

SUGGESTED SEQUENCE:

1. ON FIRST RUN REQUEST ONLY THE FIRST DISPLAY TO CHECK THAT ALL DATA

- HAS BEEN ENTERED CORRECTLY AND THAT ALL RATES ADD TO 1.0000.
THE AUDIT PROGRAM IS INVALID UNLESS ALL RATES ADD EXACTLY TO 1.0000.
- ON SECOND RUN REQUEST FLOW RECONCILIATION TABLES AND FORMAT THREE STRENGTH DATA, I.E., ANSWER YES TO SECOND AND THIRD QUESTION.
 - ONCE FLOWS HAVE BEEN RESOLVED THEN THE THREE TABLE SUMMARY DATA AND THE FORCE STRUCTURE GRAPH CAN BE RUN.

*** PRESS ENTER (S/R) TO CONTINUE ***

WHICH GRADES DO YOU WANT TO AUDIT ?
THE FIRST NUMBER INDICATES WHICH GRADE TO START WITH AND
THE SECOND NUMBER INDICATES THE LAST GRADE TO AUDIT.
ENTER TWO, ONE DIGIT NUMBERS SEPARATED BY A SPACE OR COMMA.

```
=====
      ARMY   NAVY   USAF   USMC   CGRD   NOAA   USPH
ENLISTED  3,9   3,9   3,9   3,9   3,9   --   --
WO         1,4   1,4   --    1,4   1,4   --   --
OFF/TOT    1,6   --    1,6   1,6   1,6   1,6   1,6
OFF/URL    --    1,6   --    1,6   --    --    --
OFF/RL     --    1,6   --    --    --    --    --
OFF/LDO    --    --    --    2,5   --    --    --
=====
```

<3 3>

*** AUDIT OPTIONS ***

ANSWER YES OR NO TO THE FOLLOWING QUESTIONS:

#1--FORMAT THREE DISPLAY OF RATES BY GRADE AND YOS?

<NO>

#2--FORMAT THREE DISPLAY OF STRENGTHS BY GRADE AND YOS?

<NO>

#3--FLOW DYNAMIC TABLES I AND II?

<NO>

#4--THREE TABLES OF SUMMARY STATISTICS?

<NO>

#4A--DO YOU WANT THE LOSS TABLE SENT TO DISK?

<YES>

#5--GRAPH OF FORCE STRUCTURE?

<NO>

YOU HAVE READ IN DATA FOR 9 PAYGRADES.

Attachment 1b. to Appendix J
Audit Exec

#57

```
&CONTROL OFF NOMSG
&IF &$ EQ DEBUG &CONTROL ALL
EXEC CLRSTAK
DISPCL
GLOBAL TXTLIB FORTMOD1
&IF &INDEX = 1 &IF &1 = ?      &GOTO -TELL
&IF &INDEX = 1 &IF &1 = HELP    &GOTO -TELL
&GOTO -START
-TELL DISPCL
&BEGTYPE
```

```
+-----+
+   RUNS THE MODULE VERSION "ADITMOD" OF   +
+   THE STANDARD AUDIT FORTRAN PROGRAM.   +
+                                           +
+   - LINKUPB TO USERID                   +
+   - &MODE = B                           +
+   - COPY &FNAME &FTYPE &MODE TO AUDIT TEMPDATA A ( LRECL 80 +
+   - OUTPUT FILE 02 = PRINTER             +
+   - INPUT  FILE 04 = AUDIT TEMPDATA A (LRECL 80             +
+   - OUTPUT FILE 10 = AUDIT LISTING  A (LRECL 133            +
+   NOTE: OUTPUT FILE 10 TO DISK CONTAINS CARRIAGE CONTROL    +
+   CHARACTERS IN COLUMN ONE.                               +
+                                           +
+               R. SCHREIBER  27JUL83                     +
+-----+
```

```
&END
&TYPE DO YOU WISH TO CONTINUE ? (YES|NO).
&READ VARS &RESPONSE
&RESPONSE = &SUBSTR &RESPONSE 1 1
&IF &RESPONSE NE Y &EXIT
-START &TYPE ENTER USERID WHERE DATA LIVES (8 CHAR MAX)
&READ VARS &ID
EXEC LINKUPB &ID
&IF &RETCODE NE 0 &GOTO -ERR01
&MODE = B
-AGAIN DISPCL
&TYPE ENTER FILENAME OF DATA SET TO AUDIT (EG. ACE09CAT)
&READ VARS &FNAME
&SPACE 2
&TYPE ENTER FILETYPE (EG. CURRENT).
&READ VARS &FTYPE
STATE &FNAME &FTYPE &MODE
&IF &RETCODE NE 0 &GOTO -ERR02
-OUTFILE &BEGTYPE
DO YOU WANT OUTPUT TO GO TO DISK OR PRINTER?
PRINTER = 2
DISK     = 10
&END
&READ VARS &OUTPUT
&IF &OUTPUT NE 2 &IF &OUTPUT NE 10 &GOTO -OUTFILE
&DOD = &SUBSTR &FNAME 1 1
&IF &DOD NE D &SKIP 2
&MPNT = D
```

&GOTO -SETRECS
-REDOIT DISPCL
&BEGTYPE

NOTE: THE AUDIT PROGRAM IS DESIGNED TO OPERATE ON ONE OCCUPATIONAL
GROUP AT A TIME, I.E., CONCATENATED FILES REQUIRE THAT THE SPECIFIED
OCCUPATIONAL GROUP BE EXTRACTED. THIS EXEC DOES THAT FUNCTION.

DOES THIS DATA SET CONTAIN CONCATENATED FILES ?(YES|NO).

&END

&READ VARS &ANS

&ANS = &SUBSTR &ANS 1 1

&IF &ANS EQ Y &GOTO -GETIT

&IF &ANS NE N &GOTO -REDOIT

COPYFILE &FNAME &FTYPE &MODE AUDIT TEMPDATA A (LRECL 80

&FTOUT = AUDIT

-DOIT &CONTINUE

FILEDEF 02 PRINTER (RECFM FA LRECL 132 BLKSIZE 133 PERM

FILEDEF 04 DISK AUDIT TEMPDATA A (RECFM FB LRECL 80 BLKSIZE 8000

FILEDEF 10 DISK AUDIT LISTING A (RECFM FB LRECL 133 BLKSIZE 1330

* RESPONSES TO PROGRAM CAN BE STACKED BELOW WHEN MAKING REPETITIVE *

* RUNS. COMMENT OUT CORRESPONDING WRITE STATEMENTS IN PROGRAM *

&STACK &OUTPUT

*STACK RETURN

*STACK RETURN

*STACK &FIRST

*STACK &LAST

*STACK YES

*STACK YES

*STACK NO

*STACK NO

*STACK NO

AUDITMOD

ERASE AUDIT TEMPDATA A

&IF &OUTPUT EQ 2 &SKIP 2

COPY AUDIT LISTING A &FNAME &FTOUT A (LRECL 133

ERASE AUDIT LISTING A

&SPACE 2

&TYPE DO YOU WANT TO AUDIT ANOTHER FILE ? (YES|NO).

&READ VARS &ANS

&ANS = &SUBSTR &ANS 1 1

&IF &ANS EQ Y &GOTO -AGAIN

-STOP REL &MODE (DET

&EXIT

-GETIT &CONTINUE

&TYPE ENTER RUNTYPE ENLISTED = E; OFFICER = O (NOT O); WARRANT = W;

&READ VARS &CMPNT

&CHECK = &DATATYPE &CMPNT

&IF &CHECK NE CHAR &GOTO -GETIT

-SETRECS &CONTINUE

&CMTY = &SUBSTR &FNAME 3 1

J-33

```

&IF &CMTY EQ E &RECS = 685
&IF &CMTY EQ W &RECS = 305
&IF &CMTY EQ O &RECS = 457

```

```

&REC = &RECS - 1

```

```

&START = -&REC

```

```

&GOTO -&CMPNT

```

```

-E DISPCL

```

```

&BEGTYPE

```

```

ENTER WHICH OCC GROUP TO PROCESS

```

```

STANDARD USMC

```

```

00XX = 0 0

```

```

01XX = 1 1

```

```

02XX = 2 2

```

```

03XX = 3 -

```

```

04XX = 4 3

```

```

05XX = 5 4

```

```

06XX = 6 5

```

```

07XX = 7 6

```

```

08XX = 8 7

```

```

09XX = - 8

```

```

&END

```

```

&READ VARS &OCCGRP

```

```

&DOLOOP = &OCCGRP + 1

```

```

&LOOP 1 &DOLOOP

```

```

&START = &START + &RECS

```

```

&GOTO -GETOCCGRP

```

```

-O DISPCL

```

```

&BEGTYPE

```

```

SPECIFY WHICH OCC GROUP TO PROCESS ACCORDING TO THE MENU

```

```

CODE ARMY NAVY USMC USAF CODE

```

```

0.....JAG.....JAG.....JAG.....JAG..... 0

```

```

1.....CHAP.....CHAP.....PLT.....CHAP..... 1

```

```

2.....MED.....MED.....NAV.....MED..... 2

```

```

3.....DEN.....DEN.....CBT.....DEN..... 3

```

```

4.....NRS.....NRS.....SUP.....NRS..... 4

```

```

5.....VET.....MSC.....OTR.....MSC..... 5

```

```

6.....MSC.....PLT.....BSC..... 6

```

```

7.....BSC.....NAV.....PLT..... 7

```

```

8.....PLT.....CBT.....NAV..... 8

```

```

9.....CBT.....OTR.....SUP..... 9

```

```

10.....SUP.....S-E..... 10

```

```

11.....OTR..... 11

```

```

&END

```

```

&READ VARS &OCCGRP

```

```

&DOLOOP = &OCCGRP + 1

```

```

&LOOP 1 &DOLOOP

```

```

&START = &START + &RECS

```

```

&GOTO -GETOCCGRP

```

```

-W DISPCL

```

```

&BEGTYPE

```

```

SPECIFY WHICH OCC GROUP TO PROCESS ACCORDING TO THE MENU

```

```

CODE ARMY NAVY USMC USAF

```

```

1 .. FLYR .. ALL .. ALL .. ----

```

```

2 .. OTHR .. ---- .. ---- .. ----
&END
&READ VARS &OCCGRP
&LOOP 1 &OCCGRP
&START = &START + &RECS
-GETOCCGRP &CONTINUE
***** EXTRACT OCC GROUP DATA FROM SPECIFIED SERVICE FORMAT 3 *****
COPY &FNAME &FTYPE &MODE AUDIT TEMPDATA A ( FR &START FOR &RECS LRECL 80
&FTOUT = &CONCAT AUDIT &OCCGRP
&GOTO -DOIT
-D DISPCL
&BEGTYPE
SPECIFY WHICH SERVICE TO EXTRACT FROM AGGREGATE DOD FILE:
CODE      SERVICE
1         ARMY
2         NAVY
3         USMC
4         USAF
&END
&READ VARS &OCCGRP
&LOOP 1 &OCCGRP
&START = &START + &RECS
&GOTO -GETOCCGRP
***** ERROR MESSAGES *****
-ERR01
&TYPE DO YOU WANT TO QUIT OR REENTER USERID?
&TYPE ENTER STOP TO EXIT PROGRAM OR S/R TO CONTINUE.
&READ VARS &ANS
&IF .&ANS EQ  &GOTO -START
&EXIT
-ERR02
&TYPE FILE &FNAME &FTYPE DOES NOT LIVE AT &ID
&EXIT

```

Attachment 1c to Appendix J
ADITFORT Program Listing

13/05/47

DATE = 84012

MAIN

FORTAN IV G1 RELEASE 2.0

```

0019      KOUNT = 0
0020      INFILE = 04
0021      CALL DISPL
0022      WRITE (6,2600)
0023      READ (5,*,ERR=930,END=950) FIRST, LAST
0024      CALL DISPL
0025      WRITE (06,4000)
0026      READ (05,1025) IPRINT
0027      WRITE (06,4100)
0028      READ (05,1025) JPRINT
0029      WRITE (06,4300)
0030      READ (05,1025) IFLOW
0031      WRITE (06,4150)
0032      READ (05,1025) KPRINT
0033      WRITE (06,4200)
0034      READ (05,1025) IGRAF
0035      CALL DAYTIM(MONTH, DAY, YEAR, HOUR, MIN, SEC)

C----- READ THE DATA FROM THE FILE, PROCESS A GRADE AT A TIME -----
C
0036      READ (INFILE,1050,ERR=910,END=920) TITL1
0037      DO 900 GRADE = 1, 10
0038      READ (INFILE,1050,END=920) TITL2
0039      READ (INFILE,3000,END=920) LABEL1
0040      DO 100 I = 1, 35
0041      READ (INFILE,1100) (FILE(I,J,GRADE), J = 1,10)
0042      CONTINUE
0043      READ (INFILE,3100) LABEL2
0044      DO 200 I = 1, 35
0045      READ (INFILE,1200) (FILE(I,J,GRADE), J = 11,19)
0046      CONTINUE

C
C----- SUM COLUMNS 2,3,4,5,7. -----
C
0047      DO 400 J = 2, 7
0048      CSUM(J) = 0.0
0049      IF (J.EQ. 6) GO TO 400
0050      DO 300 I = 1, 35
0051      CSUM(J) = CSUM(J) + FILE(I,J,GRADE)
0052      CONTINUE
0053      CONTINUE

C-----
C SUM ROWS (ONLY THOSE FILES WITH LOSS RATE DATA)
C FILL FORM2 ARRAY WITH STRENGTH BY YOS DATA FOR EACH GRADE
C
0054      DO 700 I = 1, 35
0055      RSUM(I) = 0.0
0056      FORM2(I, GRADE) = FILE(I, 2, GRADE)

```

```

0057 DO 600 J = 6, 19
0058 IF (J.EQ. 7) GO TO 600
0059 RSUM(I) = RSUM(I) + FILE(I,J,GRADE)
0060 CONTINUE
0061 600 CONTINUE
C-----
C IF THIS IS NOT THE FIRST FILE FOR DISPLAY OR YOU DO NOT
C WANT TO SEE COPIES OF FORMAT 3 -- SKIP WRITE STATEMENTS
C-----
0062 IF ((GRADE.LT. FIRST)
1.OR. (I.PRINT.NE. YES)
2.OR. (GRADE.GT. LAST)) GO TO 899
C----- WRITE FORMAT 3 (RATE DATA) IF REQUESTED -----
C
WRITE (NM,2000)
WRITE (NM,3200) (TITLE2(I), I = 1,65), (LABEL2(I), I = 1,63)
WRITE (NM,3300) (LABEL1(I), I = 1,65), (LABEL2(I), I = 64,126)
WRITE (NM,3300) (LABEL1(I), I = 66,130), (LABEL2(I), I = 127,189)
WRITE (NM,3400)
DO 850 I = 1,35
WRITE (NM,2100) (FILE(I,J,GRADE), J = 1,19)
850 CONTINUE
WRITE (NM,2300) (CSUM(J), J = 2,5), CSUM(7)
WRITE (NM,2400)
WRITE (NM,2500) (I, RSUM(I), I = 1,35)
WRITE (NM,1999) MONTH, DAY, YEAR
899 CONTINUE
C-----
C CONVERT THE RATES OF FORMAT 3 INTO RAW NUMBERS
C SUM ROWS AND COLUMNS --> ROW SUM = YOS STRENGTH
C-----
DO 6100 I = 1,35
DO 6000 J = 6,19
IF (J.EQ. 7) GO TO 6000
RNUM(I,J) = FILE(I,2,GRADE) * FILE(I,J,GRADE)
CONTINUE
6000 CONTINUE
DO 6400 I = 1,35
RNUM(I,1) = FILE(I,1,GRADE)
RNUM(I,2) = 0.
RNUM(I,7) = FILE(I,7,GRADE)
DO 6200 J = 6,19
IF (J.EQ. 7) GO TO 6200
RNUM(I,2) = RNUM(I,2) + RNUM(I,J)
CONTINUE
DO 6300 J = 3,5
RNUM(I,J) = FILE(I,J,GRADE)
6001

```

AD100970
AD100980
AD100990
AD101000
AD101010
AD101020
AD101030
AD101040
AD101050
AD101060
AD101070
AD101080
AD101090
AD101100
AD101110
AD101120
AD101130
AD101140
AD101150
AD101160
AD101170
AD101180
AD101190
AD101200
AD101210
AD101220
AD101230
AD101240
AD101250
AD101260
AD101270
AD101280
AD101290
AD101300
AD101310
AD101320
AD101330
AD101340
AD101350
AD101360
AD101370
AD101380
AD101390
AD101400
AD101410
AD101420
AD101430
AD101440

13/05/47

DATE = 84012

MAIN

RELEASE 2.0

FORTRAM IV G1

```

0092      CONTINUE
0093      CONTINUE
0094      DO 6600 J = 2, 19
0095      COLSUM(J) = 0.
0096      DO 6500 I = 1, 35
0097      COLSUM(J) = COLSUM(J) + RNUM(I, J)
0098      CONTINUE
0099      CONTINUE
C
C----- WRITE FORMAT 3 ( CONVERTED TO WHOLE NUMBERS) IF REQUESTED -----
C
0100      IF((JPRINT .NE. YES)
0101      .OR. (GRADE .LT. FIRST)
0102      .OR. (GRADE .GT. LAST)) GO TO 6750
0103      WRITE (NN, 2010)
0104      WRITE (NN, 3200) (TITLE2(I), I = 1, 65), (LABEL2(I), I = 1, 63)
0105      WRITE (NN, 3300) (LABEL1(I), I = 1, 65), (LABEL2(I), I = 64, 126)
0106      WRITE (NN, 3400) (LABEL1(I), I = 66, 130), (LABEL2(I), I = 127, 189)
0107      DO 6700 I = 1, 35
0108      WRITE (NN, 6710) (RNUM(I, J), J = 1, 19)
0109      CONTINUE
0110      WRITE (NN, 6720) (COLSUM(J), J = 2, 19)
0111      WRITE (NN, 1999) MONTH, DAY, YEAR
C-----
C SUM THE NUMBER ARRAY OVER ALL GRADES AND
C LOAD FLOW RECONCILIATION ARRAY
C-----
0111      DO 6900 I = 1, 35
0112      DG 6800 J = 2, 19
0113      SUMNUM(I, J) = SUMNUM(I, J) + RNUM(I, J)
0114      FLO(I, J, GRADE) = RNUM(I, J)
0115      CONTINUE
0116      CONTINUE
0117      CONTINUE
C-----
C----- COMPUTE RETIREMENTS, ATTRITIONS, AND TOTAL LOSSES -----
C-----
0118      901 TDEATH = 0.
0119      TOTRET = 0.
0120      TOTATT = 0.
0121      TOTLOS = 0.
0122      DO 6930 I = 1, 35
0123      RETIRE(I) = 0.
0124      ATTRIT(I) = 0.
0125      DEATH(I) = SUMNUM(I, 11)
0126      ALGSS(I) = DEATH(I)
0127      DO 6910 J = 12, 15

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0128      RETIRE(I) = RETIRE(I) + SUMNUM(I,J)
0129      ALOSS(I) = ALOSS(I) + SUMNUM(I,J)
0130      CONTINUE
0131      TOTRET = TOTRET + RETIRE(I)
0132      DO 6920 J = 16.19
0133      ATTRIT(I) = ATTRIT(I) + SUMNUM(I,J)
0134      ALOSS(I) = ALOSS(I) + SUMNUM(I,J)
0135      CONTINUE
0136      TOTATT = TOTATT + ATTRIT(I)
0137      TOTLOS = TOTLOS + ALOSS(I)
0138      TDEATH = TDEATH + DEATH(I)
0139      6930 CONTINUE
C----- SUM THE COLUMNS OF SUMNUM ARRAY -----
C
DO 7100 J = 2,19
COLSUM(J) = 0.
DO 7000 I = 1,35
COLSUM(J) = COLSUM(J) + SUMNUM(I,J)
7000 CONTINUE
7100 CONTINUE
C-----
C COMPUTE ROW AND COLUMN SUMS FOR FORMAT 2
C AND AVERAGE YOS (EXPERIENCE)
C-----
TRNOVR = 0.
SUMA = 0.
TOTAL = 0.
DO 8100 J = 1,9
CSUM(J) = 0.
DO 8000 I = 1,35
CSUM(J) = CSUM(J) + FORM2(I,J)
8000 CONTINUE
8100 CONTINUE
DO 8300 I = 1,35
RSUM(I) = 0.
AVGYOS(I) = 0.
DO 8200 J = 1,9
RSUM(I) = RSUM(I) + FORM2(I,J)
8200 CONTINUE
SUMA = SUMA + RSUM(I) * I
TOTAL = TOTAL + RSUM(I)
IF(RSUM(I) .LT. 1.0) GO TO 8300
AVGYOS(I) = ((SUMA / TOTAL) - 0.5)
TRNOVR = AMAX1(TRNOVR,AVGYOS(I))
8300 CONTINUE
C----- WRITE THREE TABLE STATS IF REQUESTED -----
AD:01930
AD:01940
AD:01950
AD:01960
AD:01970
AD:01980
AD:01990
AD:02000
AD:02010
AD:02020
AD:02030
AD:02040
AD:02050
AD:02060
AD:02070
AD:02080
AD:02090
AD:02100
AD:02110
AD:02120
AD:02130
AD:02140
AD:02150
AD:02160
AD:02170
AD:02180
AD:02190
AD:02200
AD:02210
AD:02220
AD:02230
AD:02240
AD:02250
AD:02260
AD:02270
AD:02280
AD:02290
AD:02300
AD:02310
AD:02320
AD:02330
AD:02340
AD:02350
AD:02360
AD:02370
AD:02380
AD:02390
AD:02400

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0167 C IF( KPRINT .NE. YES) GO TO 8700
C
C----- WRITE SUM AUDIT ARRAY -----
C
0168 WRITE (NN,2020)
0169 WRITE (NN,3200) (TITLE1(I), I = 1,65), (LABEL2(I), I = 1,63)
0170 WRITE (NN,3300) (LABEL1(I), I = 1,65), (LABEL2(I), I = 64,126)
0171 WRITE (NN,3300) (LABEL1(I), I = 56,130), (LABEL2(I), I = 127,189)
0172 WRITE (NN,3400)
0173 DO 7200 I = 1,35
0174 WRITE (NN,7210) I, (SUMNUM(I,J), J = 2,19)
0175 CONTINUE
0176 WRITE (NN,7220) (COLSUM(J), J = 2,19)
0177 WRITE (NN,1999) MONTH, DAY, YEAR
C
C----- WRITE FORCE GRADE TABLE -----
C
0178 WRITE (NN,8500) (TITLE1(I), I = 1,65)
0179 DO 8400 I = 1,35
0180 WRITE (NN,8510) I, (FORM2(I,J), J = 1,9), RSUM(I), AVGYS(I)
0181 CONTINUE
0182 WRITE (NN,8520) (CSUM(J), J = 1,9), TOTAL, TRNOVR
0183 WRITE (NN,1999) MCMTH, DAY, YEAR
C
C----- WRITE GAINS, REMAIN IN SERVICE AND LOSS TABLE -----
C
0184 WRITE (NN,8610) TITLE1
0185 DO 8600 I = 1,35
0186 WRITE (NN,8620) I, (SUMNUM(I,J), J=2,5), SUMNUM(I,8), SUMNUM(I,9),
1 SUMNUM(I,10), RETIRE(I), ATTRIT(I), DEATH(I), ALOSS(I)
0187 CONTINUE
0188 WRITE (NN,8630) (COLSUM(J), J=2,5), (COLSUM(J), J=8,10),
1 TOTRET, TOTATT, IDEATH, TOTLOS
0189 WRITE (NN,1999) MONTH, DAY, YEAR
0190 CONTINUE
C
C----- CALL TO PLOTTING SUBROUTINE IF REQUESTED -----
C
0191 IF (IGRAF .EQ. YES) CALL GRAF (RSUM, TITLE1)
C
C----- CALL TO SUBROUTINE FLOWCK IF REQUESTED -----
C
0192 IF (IFLOW .EQ. YES) CALL FLOWCK(FIRST, LAST, NGRADE)
C
C----- READ FORMAT STATEMENTS -----
C
0193 1025 FORMAT(14H)

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J-44

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0231      5NOTE I',33X,'TOTAL',/
        61X,'YOSISTRENGTH I SERVICE I CAIGRY I CTHR I OPCM I GRADE
        7 I OUT I RETIRE I ATTRITE I DEATH I LOSSES',/
        81X,113('=')/
        8611 FORMAT
        165A1',/ ,113('=')/ ,7X,'GAINS',7X,'I',9X,'REMAIN IN SERVICE',13X,'I',
        23X,'I',9X,'I',7X,'LOSSES TO SERVICE',/
        311X,'LOSSES TO SERVICE',/
        43X,'I',9X,'I TO I', OTHER I XFER I XFER I REMAIN I PROAD103930
        5NOTE I',33X,'TOTAL',/
        6 'YOSISTRENGTH I SERVICE I CAIGRY I CTHR I OPCM I GRADE
        7 I OUT I RETIRE I ATTRITE I DEATH I LOSSES',/ ,113('=')/
        8620 FORMAT(2X,12,2X,F8.0,10(3X,F7.0))
        8621 FORMAT(1X,12,2X,F8.0,10(3X,F7.0))
        8630 FORMAT(1X,113('=')/ ,1X,101->',F8.0,10(3X,F7.0))
        8631 FORMAT(113('=')/ ,101->',F8.0,10(3X,F7.0))
        GO TO 999
C
C----- INPUT ERROR AND END OF FILE ROUTINES -----
C
910 WRITE (6,2700) KOUNT
    GO TO 999
920 MGRADE = GRADE - 1
    GO TO 991
930 WRITE (6,2900)
    GO TO 50
950 WRITE (6,2920)
    GO TO 50
991 CONTINUE
    WRITE(6,902) MGRADE
902 FORMAT(' YOU HAVE READ IN DATA FOR ',12,' PAYGRADES.')
    GO TO 901
999 STOP
C
C----- END OF MAIN PROGRAM BLOCK, SUBROUTINES FOLLOW -----
C
0250      END

```


| SYMBOL | LOCATION | SYMBOL | LOCATION | SYMBOL | LOCATION | SYMBOL | LOCATION |
|---------------|----------|------------------------------------|-----------------|--------------------|--------------------|--------------------|--------------------|
| SYMBOL
FLO | 0 | COMMON BLOCK /
LOCATION
5084 | SYMBOL
TITLE | SYMBOL
LOCATION | SYMBOL
LOCATION | SYMBOL
LOCATION | SYMBOL
LOCATION |

| SYMBOL | LOCATION | SYMBOL | LOCATION | SYMBOL | LOCATION | SYMBOL | LOCATION |
|-----------------|----------|-------------------------------------|---------------|----------------|--------------------|--------------------|--------------------|
| SYMBOL
MONTH | 0 | COMMON BLOCK /DATE
LOCATION
4 | SYMBOL
DAY | SYMBOL
YEAR | SYMBOL
LOCATION | SYMBOL
LOCATION | SYMBOL
LOCATION |

| SYMBOL | LOCATION | SYMBOL | LOCATION | SYMBOL | LOCATION | SYMBOL | LOCATION |
|--------------|----------|-------------------------------------|----------|--------------------|--------------------|--------------------|--------------------|
| SYMBOL
NN | 0 | COMMON BLOCK /NAME
LOCATION
4 | SYMBOL | SYMBOL
LOCATION | SYMBOL
LOCATION | SYMBOL
LOCATION | SYMBOL
LOCATION |

| SYMBOL | LOCATION | SYMBOL | LOCATION | SYMBOL | LOCATION | SYMBOL | LOCATION |
|----------------------------|------------|--|---------------------------|------------------|--------------------|------------------|--------------------|
| SYMBOL
IBCOM#
FLOWCK | 254
268 | SUBPROGRAMS CALLED
LOCATION
258
25C | SYMBOL
LDFIO#
AHAX1 | SYMBOL
DISPCL | SYMBOL
LOCATION | SYMBOL
DAYTIM | SYMBOL
LOCATION |

| SYMBOL | LOCATION | SYMBOL | LOCATION | SYMBOL | LOCATION | SYMBOL | LOCATION |
|------------------|----------|-------------------------------|-------------------|-------------------|--------------------|-------------------|--------------------|
| SYMBOL
YES | 244 | SCALAR MAP
LOCATION
248 | SYMBOL
NO | SYMBOL
NAMEDD | SYMBOL
LOCATION | SYMBOL
COUNT | SYMBOL
LOCATION |
| SYMBOL
FIRST | 288 | LAST | SYMBOL
I PRINT | SYMBOL
J PRINT | SYMBOL
LOCATION | SYMBOL
J PRINT | SYMBOL
LOCATION |
| SYMBOL
PRINT | 2CC | IGRAF | SYMBOL
HOUR | SYMBOL
J | SYMBOL
LOCATION | SYMBOL
MIN | SYMBOL
LOCATION |
| SYMBOL
GRADE | 2E0 | ! TOTLOS | SYMBOL
J | SYMBOL
TROVER | SYMBOL
LOCATION | SYMBOL
TDEATH | SYMBOL
LOCATION |
| SYMBOL
TOTAL | 2F4 | | SYMBOL
J | SYMBOL
TROVER | SYMBOL
LOCATION | SYMBOL
TDEATH | SYMBOL
LOCATION |
| SYMBOL
NGRADE | 308 | | SYMBOL
J | SYMBOL
TROVER | SYMBOL
LOCATION | SYMBOL
TDEATH | SYMBOL
LOCATION |

| SYMBOL | LOCATION | SYMBOL | LOCATION | SYMBOL | LOCATION | SYMBOL | LOCATION |
|------------------|----------|-------------------------------|----------------|------------------|--------------------|-----------------|--------------------|
| SYMBOL
FILE | 30C | ARRAY MAP
LOCATION
6090 | SYMBOL
SUMM | SYMBOL
RNUM | SYMBOL
LOCATION | SYMBOL
FORM2 | SYMBOL
LOCATION |
| SYMBOL
LABEL2 | 7B48 | RETIRE | SYMBOL
CSUM | SYMBOL
ATTRIT | SYMBOL
LOCATION | SYMBOL
RSUM | SYMBOL
LOCATION |
| SYMBOL
AVGYDS | 8168 | | SYMBOL
CSUM | SYMBOL
ATTRIT | SYMBOL
LOCATION | SYMBOL
ALOSS | SYMBOL
LOCATION |

| SYMBOL | LOCATION | SYMBOL | LOCATION | SYMBOL | LOCATION | SYMBOL | LOCATION |
|----------------|----------|--|----------------|----------------|--------------------|----------------|--------------------|
| SYMBOL
1025 | 842C | FORMAT STATEMENT MAP
LOCATION
1050 | SYMBOL
1050 | SYMBOL
1100 | SYMBOL
LOCATION | SYMBOL
1200 | SYMBOL
LOCATION |
| SYMBOL
1500 | 8450 | 8432 | SYMBOL
1501 | SYMBOL
1998 | SYMBOL
LOCATION | SYMBOL
1999 | SYMBOL
LOCATION |
| SYMBOL
2010 | 8992 | 8700 | SYMBOL
2020 | SYMBOL
2100 | SYMBOL
LOCATION | SYMBOL
2300 | SYMBOL
LOCATION |
| SYMBOL
2500 | 8807 | 89D3 | SYMBOL
2600 | SYMBOL
2700 | SYMBOL
LOCATION | SYMBOL
2900 | SYMBOL
LOCATION |
| SYMBOL
3000 | 8F50 | 8813 | SYMBOL
3100 | SYMBOL
3200 | SYMBOL
LOCATION | SYMBOL
3300 | SYMBOL
LOCATION |
| SYMBOL
4000 | 8F83 | 8F56 | SYMBOL
4100 | SYMBOL
4150 | SYMBOL
LOCATION | SYMBOL
4200 | SYMBOL
LOCATION |
| SYMBOL
6710 | 9085 | 9005 | SYMBOL
6720 | SYMBOL
7210 | SYMBOL
LOCATION | SYMBOL
7220 | SYMBOL
LOCATION |
| | | 90C2 | | | | | |
| | | | | | | | |

| | | | | | | |
|---------------|------|-------------|------|--------------|----------|-----------|
| FORTRAN IV G1 | | RELEASE 2.0 | MAIN | DATE = 84012 | 13/05/47 | PAGE 0011 |
| 8510 | 9188 | 8520 | 91A6 | 91CD | 8611 | 8620 |
| 8621 | 948C | 8630 | 949F | 94BE | 902 | 9479 |
| | | | | | 932A | |
| | | | | | 94D9 | |

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| LOCATION | STA NUM | LABEL | STATEMENT | LABEL MAP | LOCATION | STA NUM | LABEL | LOCATION | STA NUM | LABEL |
|----------|---------|-------|-----------|-----------|----------|---------|-------|----------|---------|-------|
| 00962C | 11 | | | 009648 | 12 | | | 009654 | 13 | |
| 00965E | 14 | | | 009674 | 15 | | | 009682 | 16 | |
| 00968C | 17 | | | 0096A0 | 18 | | | 0096AE | 19 | |
| 0096BA | 20 | | | 0096C2 | 21 | 50 | | 0096CC | 22 | |
| 0096E0 | 23 | | | 00970C | 24 | | | 009716 | 25 | |
| 00972C | 26 | | | 009748 | 27 | | | 00975C | 28 | |
| 009778 | 29 | | | 00978C | 30 | | | 0097A8 | 31 | |
| 0097BC | 32 | | | 0097D8 | 33 | | | 0097EC | 34 | |
| 009808 | 35 | | | 009812 | 36 | | | 00983C | 37 | |
| 009880 | 38 | | | 0098A4 | 39 | 100 | | 0098CE | 40 | |
| 0098D8 | 41 | | | 009928 | 42 | | | 009944 | 43 | |
| 009964 | 44 | | | 009974 | 45 | | | 0099CA | 46 | 200 |
| 0099E0 | 47 | | | 0099F4 | 48 | | | 009A00 | 49 | |
| 009A0E | 50 | | | 009A18 | 51 | | | 009A24 | 52 | 300 |
| 009A40 | 53 | | | 009A60 | 54 | | | 009A70 | 55 | |
| 009A80 | 56 | | | 009A8C | 57 | | | 009A96 | 58 | |
| 009AAB | 59 | 400 | | 009ABC | 60 | 600 | | 009AD8 | 61 | 700 |
| 009AF4 | 62 | | | 009B40 | 63 | | | 009B54 | 64 | |
| 009BCC | 65 | | | 009C48 | 66 | | | 009CC4 | 67 | |
| 009CD8 | 68 | | | 009CE8 | 69 | | | 009D38 | 70 | 850 |
| 009D94 | 71 | | | 009DAC | 72 | | | 009DC0 | 73 | |
| 009EDC | 74 | | | 009E3C | 76 | | | 009E4C | 77 | |
| 009ESA | 78 | | | 009E6C | 79 | 899 | | 009E7C | 80 | 6000 |
| 009E98 | 81 | 6100 | | 009EB4 | 82 | | | 009EC8 | 83 | |
| 009ED0 | 84 | | | 009EDC | 85 | | | 009EE4 | 86 | |
| 009EEE | 87 | | | 009F00 | 88 | | | 009F0C | 89 | 6200 |
| 009F28 | 90 | | | 009F36 | 91 | | | 009F46 | 92 | 6300 |
| 009F5E | 93 | | | 009F7E | 94 | | | 009F92 | 95 | |
| 009F9E | 96 | 6400 | | 009FA8 | 97 | | | 009FB4 | 98 | 6500 |
| 009FD0 | 99 | 6600 | | 009FF0 | 100 | | | 00A03C | 101 | |
| 00A050 | 102 | | | 00A0C8 | 103 | | | 00A144 | 104 | |
| 00A1C0 | 105 | | | 00A1D4 | 106 | | | 00A1E4 | 107 | |
| 00A234 | 108 | | | 00A250 | 109 | | | 00A298 | 110 | |
| 00A2C8 | 111 | | | 00A2DC | 112 | | | 00A32C | 113 | |
| 00A2F8 | 114 | | | 00A300 | 115 | 6800 | | 00A320 | 116 | 6900 |
| 00A340 | 117 | 900 | | 00A3AC | 118 | 901 | | 00A358 | 119 | |
| 00A3C0 | 120 | | | 00A3C8 | 121 | | | 00A3D0 | 122 | |
| 00A3E4 | 123 | | | 00A3F4 | 124 | | | 00A3FC | 125 | |
| 00A408 | 126 | | | 00A414 | 127 | | | 00A422 | 128 | |
| 00A43A | 129 | | | 00A446 | 130 | | | 00A45E | 131 | |
| 00A472 | 132 | | | 00A47C | 133 | | | 00A488 | 134 | |
| 00A494 | 135 | 6920 | | 00A4B0 | 136 | | | 00A4BC | 137 | |
| 00A4C8 | 138 | | | 00A4DC | 139 | | | 00A4F4 | 140 | |
| 00A508 | 141 | | | 00A514 | 142 | 6930 | | 00A51E | 143 | |
| 00A52A | 144 | 7000 | | 00A546 | 145 | 7100 | | 00A566 | 146 | |

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|---------------|-------------|--------|--------------|----------|-----|
| 00A572 | 147 | 00A57A | 148 | 00A582 | 149 |
| 00A592 | 150 | 00A59E | 151 | 00A5A8 | 152 |
| 00A5B4 | 153 | 00A5D0 | 154 | 00A5F0 | 155 |
| 00A604 | 156 | 00A610 | 157 | 00A618 | 158 |
| 00A622 | 159 | 00A62E | 160 | 00A64A | 161 |
| 00A676 | 162 | 00A682 | 163 | 00A690 | 164 |
| 00A6A0 | 165 | 00A6BA | 166 | 00A6DA | 167 |
| 00A6E8 | 168 | 00A6FC | 169 | 00A780 | 170 |
| 00A7FC | 171 | 00A878 | 172 | 00A88C | 173 |
| 00A89C | 174 | 00A8F4 | 175 | 00A910 | 176 |
| 00A958 | 177 | 00A988 | 178 | 00A9D8 | 179 |
| 00A9F0 | 180 | 00AA58 | 181 | 00AA74 | 182 |
| 00AACC | 183 | 00AADC | 184 | 00AB1C | 185 |
| 00AB38 | 186 | 00ABD0 | 187 | 00ABE8 | 188 |
| 00AC84 | 189 | 00ACR4 | 191 | 00ACCC | 192 |
| 00ACE4 | 236 | 00ACEA | 237 | 00AD08 | 238 |
| 00AD0E | 239 | 00AD1E | 240 | 00AD24 | 241 |
| 00AD38 | 242 | 00AD3E | 243 | 00AD54 | 244 |
| 00AD5A | 246 | 00AD78 | 248 | 00AD7E | 249 |

930
999

OPTIONS IN EFFECT TERM,NOID,EBCDIC, SOURCE,NOLIST, NODECK, LOAD,MAP,NOTEST
 OPTIONS IN EFFECT NAME = MAIN . LINECNT = 50
 STATISTICS SOURCE STATEMENTS = 250,PROGRAM SIZE = 44428
 STATISTICS NO DIAGNOSTICS GENERATED

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0001      SUBROUTINE GRAF (FORCE, TITLE)
C+++++
C SUBROUTINE TO DISPLAY GRAPHICALLY STRENGTH BY YEAR OF SERVICE DATA C
C DISPLAY INCLUDES PERCENT OF YEAR GROUP SIZE AND CONTINUATION RATES C
C+++++
      INTEGER YOS(35), STAR, DOT, BLANK, CROSS
      DIMENSION BODS(35), Z(101), K(35,100), PERCNT(35), FORCE(35)
      DIMENSION TITLE(65)
      COMMON /DATE/ MONTH, DAY, YEAR
      COMMON /NAME/ NN
      DATA STAR/'*'/, DOT/'.'/, BLANK/' '/, CROSS/'+' /
      DO 10 I = 1, 35
        KK = 36 - I
        YOS(I) = KK
        BODS(KK) = FORCE(I)
10      CONTINUE
C----- COMPUTE MAXIMUM YEAR OF SERVICE STRENGTH -----
C
      YOSMAX = BODS(1)
      DO 16 I = 1, 35
        YOSMAX = MAX1(YOSMAX, BODS(I))
16      CONTINUE
      DO 17 L = 100, 150000, 100
        X = FLOAT(L)
        IF (YOSMAX .LE. X) GO TO 18
17      CONTINUE
C----- COMPUTE THE TOTAL STRENGTH AND LOAD K ARRAY WITH BLANKS -----
C
      SUM = 0.
      DO 20 I = 1, 35
        SUM = SUM + BODS(I)
        DO 19 J = 1, 100
          K(I, J) = BLANK
19      CONTINUE
20      CONTINUE
      DO 30 I = 1, 35
        PERCNT(I) = 0.
        IF (SUM .GT. 0.) PERCNT(I) = (BODS(I) / SUM) * 100
30      CONTINUE
C----- COMPUTE TABLE LABELS -----
C
      Z(1) = 0.
      DO 40 I = 1, 101
        Z(I) = I * (X / 100.)
40      CONTINUE

```

AD104220
AD104230
AD104240
AD104250
AD104260
AD104270
AD104280
AD104290
AD104300
AD104310
AD104320
AD104330
AD104340
AD104350
AD104360
AD104370
AD104380
AD104390
AD104400
AD104410
AD104420
AD104430
AD104440
AD104450
AD104460
AD104470
AD104480
AD104490
AD104500
AD104510
AD104520
AD104530
AD104540
AD104550
AD104560
AD104570
AD104580
AD104590
AD104600
AD104610
AD104620
AD104630
AD104640
AD104650
AD104660
AD104670
AD104680
AD104690

[illegible]

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| SYMBOL MONTH | LOCATION 0 | SYMBOL DAY | COMMON BLOCK / DATE / MAP SIZE | SYMBOL LOCATION 4 | SYMBOL LOCATION 8 | SYMBOL LOCATION | SYMBOL LOCATION | SYMBOL LOCATION |
|---------------|---------------|---------------|--------------------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| SYMBOL NH | LOCATION 0 | SYMBOL | COMMON BLOCK / NAME / MAP SIZE | SYMBOL LOCATION 4 | SYMBOL LOCATION | SYMBOL LOCATION | SYMBOL LOCATION | SYMBOL LOCATION |
| SYMBOL IBCOM# | LOCATION 10C | SYMBOL ANAX1 | SUBPROGRAMS CALLED | SYMBOL LOCATION 110 | SYMBOL LOCATION | SYMBOL LOCATION | SYMBOL LOCATION | SYMBOL LOCATION |
| SYMBOL STAR | LOCATION 120 | SYMBOL DOT | SCALAR MAP | SYMBOL LOCATION 124 | SYMBOL LOCATION 128 | SYMBOL LOCATION 130 | SYMBOL LOCATION 130 | SYMBOL LOCATION 130 |
| SYMBOL KK | LOCATION 134 | SYMBOL YOSMAX | | SYMBOL LOCATION 138 | SYMBOL LOCATION 13C | SYMBOL LOCATION 140 | SYMBOL LOCATION 144 | SYMBOL LOCATION 144 |
| SYMBOL J | LOCATION 148 | SYMBOL CUM | | SYMBOL LOCATION 14C | SYMBOL LOCATION 150 | SYMBOL LOCATION 154 | SYMBOL LOCATION 158 | SYMBOL LOCATION 158 |
| SYMBOL YOS | LOCATION 15C | SYMBOL BODS | ARRAY MAP | SYMBOL LOCATION 1EB | SYMBOL LOCATION 274 | SYMBOL LOCATION 408 | SYMBOL LOCATION 3AB8 | SYMBOL LOCATION 3AB8 |
| SYMBOL FORCE | LOCATION 3B44 | SYMBOL TITLE | | SYMBOL LOCATION 3B48 | SYMBOL LOCATION | SYMBOL LOCATION | SYMBOL PERCENT | SYMBOL PERCENT |
| SYMBOL 1225 | LOCATION 3B4C | SYMBOL 1250 | FORMAT STATEMENT MAP | SYMBOL LOCATION 3B69 | SYMBOL LOCATION 1300 | SYMBOL LOCATION 38B1 | SYMBOL LOCATION 1500 | SYMBOL LOCATION 38B6 |
| SYMBOL 1600 | LOCATION 3B04 | SYMBOL 1700 | | SYMBOL LOCATION 3C4A | SYMBOL LOCATION 387B | SYMBOL LOCATION | SYMBOL LOCATION | SYMBOL LOCATION |

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| LOCATION | STA NUM | LABEL | STATEMENT | LABEL MAP | LOCATION | STA NUM | LABEL | LOCATION | STA NUM | LABEL |
|----------|---------|-------|-----------|-----------|----------|---------|-------|----------|---------|-------|
| 003D2E | 1 | | | 003D2E | 8 | | | 003D46 | 9 | |
| 003D56 | 10 | | | 003D5E | 11 | | | 003D6E | 12 | 10 |
| 003D8A | 13 | | | 003D92 | 14 | | | 003DA2 | 15 | |
| 003D8C | 16 | 16 | | 003D98 | 17 | | | 003DE4 | 18 | |
| 003E08 | 19 | | | 003E16 | 20 | 17 | | 003E2A | 21 | 18 |
| 003E36 | 22 | | | 003E42 | 23 | | | 003E4E | 24 | |
| 003E5C | 25 | | | 003E64 | 26 | 19 | | 003E80 | 27 | 20 |
| 003E9C | 28 | | | 003E80 | 29 | | | 003EBC | 30 | |
| 003EDA | 31 | 30 | | 003EF6 | 32 | | | 003F02 | 33 | |
| 003F0E | 34 | | | 003F3C | 35 | 40 | | 003F54 | 36 | |
| 003F64 | 37 | | | 003F74 | 38 | | | 003F92 | 39 | 50 |
| 003FAA | 40 | 60 | | 003FC4 | 41 | 70 | | 003FDC | 42 | |
| 00402C | 43 | | | 004040 | 44 | | | 004054 | 45 | |
| 004060 | 46 | | | 00406C | 47 | | | 00407E | 48 | |
| 004086 | 49 | | | 00408C | 50 | 75 | | 0040A8 | 52 | 76 |
| 0040C0 | 53 | | | 0040CE | 54 | | | 0040E4 | 55 | 80 |
| 004100 | 56 | | | 00410C | 57 | | | 004120 | 58 | |
| 00418C | 59 | | | 0041AC | 60 | | | 0041C8 | 61 | |
| 00420C | 62 | 90 | | 00423C | 70 | | | | | |

OPTIONS IN EFFECT TERM,NOID,EBCDIC, SOURCE,NOLIST, NODECK, LOAD, MAP, NOTES

OPTIONS IN EFFECT NAME = GRAF , LINECNT = 50

STATISTICS SOURCE STATEMENTS = 71, PROGRAM SIZE = 16964

STATISTICS NO DIAGNOSTICS GENERATED

J-54

13/05/47

DATE = 84012

FLOMCK

RELEASE 2.0

FORTRAN IV G1

```

0037      DELTA(I,K) =ABS(FLO(I,2,K) - FSTR(I,K))
0038      400 CONTINUE
0039      499 CONTINUE
C----- WRITE ONLY THOSE TABLES REQUESTED -----
C
C
0040      DO 999 K = 1,N
0041      IF (K.LT. F) .OR. (K.GT. L) GO TO 999
C----- WRITE FLOW RECONCILIATION TABLE I FOR EACH GRADE -----
C
C
0042      WRITE (NN,1000) TITLE,K
0043      DO 450 I = 1,35
0044      WRITE (NN,1200) I,FLO(I,2,K),RIG(I,K),FLO(I,3,K),
1 FLO(I,4,K),FLO(I,10,K),PROIN(I,K),FLO(I,6,K),
2 FLO(I,8,K),TLOSS(I,K),DELTA(I,K),FSTR(I,K)
450 CONTINUE
0045      WRITE (NN,1275)
0046      WRITE (NN,1300) MONTH,DAY,YEAR
0047
C----- WRITE FLOW RECONCILIATION TABLE I FOR EACH GRADE -----
C
C
0048      WRITE (NN,1400) TITLE,K
0049      DO 850 I = 1,35
0050      WRITE (NN,1500) I,GAIN(I,K),FMRIG(I,K),PROIN(I,K),XFER(I,K),
1 STR1(I,K),DIFF(I,K),FLO(I,2,K),TLOSS(I,K),FLO(I,9,K),
2 FLO(I,10,K),XOUT(I,K),STR2(I,K),DIFF2(I,K)
850 CONTINUE
0051      WRITE (NN,1300) MONTH,DAY,YEAR
0052      999 CONTINUE
C----- FORMAT STATEMENTS -----
C
0054      1000 FORMAT(1H,/,1H0,'FLOW RECONCILIATION TABLE I',1X,65A1,/,1X,
1'GRADE:',1,/,1X,96('='),/4X,
2'1' STRENGTH',1X,ACCESSION',1X,PROMOTE',1X,XFER TO
3'1 LOSS TO',DELTA',COMPUTED',/,
4'5UT',1X,IN',1X,OTHER OFF',1X,ISERVICE|GWN-FLO|STRENGTH|',
5/,1X,96('='),/
1200 FORMAT(2X,12,2(1X,F8.0),7(1X,F7.0),1X,F8.0,1X,F8.0)
1275 FORMAT(1X,96('='),/1X,
1'FLOW( = RIG(I-1) + GAIN(I) + XIN(I) - PROUT(I) + PROIN(I-1,K-1)
2 - XOUT(I) - LOSS(I)/,1X,96('='),/
1300 FORMAT(1H,/,1H0,'FLOW RECONCILIATION TABLE I',1X,65A1,/,1X,
1400 FORMAT(1H,/,1H0,'FLOW RECONCILIATION TABLE I',1X,65A1,/,1X,
1'GRADE:',1,/,1X,110('='),/4X,
2'1' STRENGTH',1X,ACCESSION',1X,PROMOTE',1X,XFER TO
3'1 LOSS TO',DELTA',COMPUTED',/,
4'5UT',1X,IN',1X,OTHER OFF',1X,ISERVICE|GWN-FLO|STRENGTH|',
5/,1X,96('='),/

```

AD106120
AD106130
AD106140
AD106150
AD106160
AD106170
AD106180
AD106190
AD106200
AD106210
AD106220

13/05/47

DATE = 84012

FLOWCK

FORTTRAN IV G1 RELEASE 2.0

| SYMBOL | LOCATION | SYMBOL | LOCATION | SYMBOL | LOCATION | SYMBOL | LOCATION |
|------------------------|--------------------------|--|---------------------------------|-----------------------------------|---------------------------------|-------------------------|--------------------------|
| FLO | 0 | COMMON BLOCK /
LOCATION
5084 | SYMBOL | 5E88 | LOCATION | SYMBOL | LOCATION |
| MONTH | 0 | COMMON BLOCK /DATE
LOCATION
4 | SYMBOL | C | LOCATION | SYMBOL | LOCATION |
| NN | 0 | COMMON BLOCK /NAME
LOCATION
4 | SYMBOL | 4 | LOCATION | SYMBOL | LOCATION |
| 1BCOM# | DC | SUBPROGRAMS CALLED
LOCATION | SYMBOL | LOCATION | SYMBOL | LOCATION | LOCATION |
| LL
F | EC
100 | SCALAR MAP
LOCATION
F0
104 | SYMBOL
N
L | K
F4 | LOCATION
F8 | SYMBOL
J | LOCATION
FC |
| MANPHR
RIG
STR1 | 108
19A4
3240 | ARRAY MAP
LOCATION
5F4
1E90
372C | SYMBOL
GAIN
DELTA
STR2 | SYMBOL
XFER
FRMRIG
DIFF1 | LOCATION
AEO
237C
3C18 | SYMBOL
PROIN
XOUT | LOCATION
1HB8
2D54 |
| SYMBOL
1000
1500 | LOCATION
45E0
4952 | FORMAT STATEMENT MAP
LOCATION
4703
4981 | SYMBOL
1200
1600 | SYMBOL
1275 | LOCATION
4723 | SYMBOL
1400 | LOCATION
474E |

| LOCATION | STA NUM | LABEL | STATEMENT | LOCATION | STA NUM | LABEL | LOCATION | STA NUM | LABEL |
|----------|---------|-------|-----------|----------|---------|-------|----------|---------|-------|
| 004AC0 | 1 | | | 004AC0 | 11 | | 004AD0 | 12 | |
| 004AE0 | 13 | | | 004AF2 | 14 | | 004AFE | 15 | |
| 004B06 | 16 | 100 | | 004B22 | 17 | 200 | 004B42 | 18 | |
| 004B66 | 19 | | | 004B7E | 20 | | 004B8E | 21 | |
| 004BA6 | 22 | | | 004BB2 | 23 | | 004BBE | 24 | |
| 004BCA | 25 | | | 004BD4 | 26 | | 004BE4 | 27 | |
| 004BF0 | 28 | 300 | | 004C0C | 29 | | 004C3C | 30 | |
| 004C5C | 31 | | | 004C70 | 32 | | 004C8E | 33 | |
| 004C94 | 34 | | | 004CBA | 35 | | 004CDE | 36 | |
| 004CEE | 37 | | | 004D04 | 38 | 400 | 004D24 | 39 | 499 |
| 004D60 | 40 | | | 004D7C | 41 | | 004D82 | 42 | |
| 004DDC | 43 | | | 004DF4 | 44 | | 004E74 | 45 | 450 |
| 004E90 | 46 | | | 004EA4 | 47 | | 004ED4 | 48 | |
| 004EFC | 49 | | | 004F18 | 50 | | 004FB8 | 51 | 850 |
| 004FD4 | 52 | | | 005004 | 53 | 999 | 005034 | 61 | |

OPTIONS IN EFFECT TERM,MOID,EBGDI,C, SOURCE,MOLIST, NCODECK, LOAD, MAP, ROTEST

OPTIONS IN EFFECT NAME = FLOWCK , LINECHT = 50

STATISTICS SOURCE STATEMENTS = 62, PROGRAM SIZE = 20540

STATISTICS NO DIAGNOSTICS GENERATED

STATISTICS NO DIAGNOSTICS THIS STEP

Attachment 1d to Appendix J
Sample Input Flow Dynamic Rate Table

SAMPLE OF INPUT FLOW DYNAMIC RATE TABLE FOR A SINGLE PAY GRADE (PAGE 1).

DATA IS MANUALLY INPUT TO THIS FORMAT FROM HARD COPY DATA SETS
PROVIDED BY THE SERVICES FOR EACH OCCUPATIONAL GROUP.

| YR | STREN | GAINS
TO | GAINS
OTHER | TRANSFER TO
OTHER | TO
CAT | XFER
OFF | TO
PGM | REMAIN
GRADE | PRO
OUT |
|----|--------|-------------|----------------|----------------------|-----------|-------------|-----------|-----------------|------------|
| 01 | 00000. | 00000. | 00000. | 00000. | 0.0000 | 00000. | 0.0000 | 0.0000 | 0.0000 |
| 02 | 00000. | 00000. | 00000. | 00000. | 0.0000 | 00000. | 0.0000 | 0.0000 | 0.0000 |
| 03 | 00000. | 00000. | 00000. | 00000. | 0.0000 | 00000. | 0.0000 | 0.0000 | 0.0000 |
| 04 | 00000. | 00000. | 00000. | 00000. | 0.0000 | 00000. | 0.0000 | 0.0000 | 0.0000 |
| 05 | 00000. | 00000. | 00000. | 00000. | 0.0000 | 00000. | 0.0000 | 0.0000 | 0.0000 |
| 06 | 00000. | 00000. | 00000. | 00000. | 0.0000 | 00000. | 0.0000 | 0.0000 | 0.0000 |
| 07 | 00000. | 00000. | 00000. | 00000. | 0.0000 | 00000. | 0.0000 | 0.0000 | 0.0000 |
| 08 | 00000. | 00000. | 00000. | 00000. | 0.0000 | 00000. | 0.0000 | 0.0000 | 0.0000 |
| 09 | 00000. | 00000. | 00000. | 00000. | 0.0000 | 00000. | 0.0000 | 0.0000 | 0.0000 |
| 10 | 00000. | 00000. | 00000. | 00000. | 0.0000 | 00000. | 0.0000 | 0.0000 | 0.0000 |
| 11 | 00000. | 00000. | 00000. | 00000. | 0.0000 | 00000. | 0.0000 | 0.0000 | 0.0000 |
| 12 | 00000. | 00000. | 00000. | 00000. | 0.0000 | 00000. | 0.0000 | 0.0000 | 0.0000 |
| 13 | 00000. | 00000. | 00000. | 00000. | 0.0000 | 00000. | 0.0000 | 0.0000 | 0.0000 |
| 14 | 00000. | 00000. | 00000. | 00000. | 0.0000 | 00000. | 0.0000 | 0.0000 | 0.0000 |
| 15 | 00000. | 00000. | 00000. | 00000. | 0.0000 | 00000. | 0.0000 | 0.0000 | 0.0000 |
| 16 | 00000. | 00000. | 00000. | 00000. | 0.0000 | 00000. | 0.0000 | 0.0000 | 0.0000 |
| 17 | 00000. | 00000. | 00000. | 00000. | 0.0000 | 00000. | 0.0000 | 0.0000 | 0.0000 |
| 18 | 00000. | 00000. | 00000. | 00000. | 0.0000 | 00000. | 0.0000 | 0.0000 | 0.0000 |
| 19 | 00000. | 00000. | 00000. | 00000. | 0.0000 | 00000. | 0.0000 | 0.0000 | 0.0000 |
| 20 | 00000. | 00000. | 00000. | 00000. | 0.0000 | 00000. | 0.0000 | 0.0000 | 0.0000 |
| 21 | 00000. | 00000. | 00000. | 00000. | 0.0000 | 00000. | 0.0000 | 0.0000 | 0.0000 |
| 22 | 00000. | 00000. | 00000. | 00000. | 0.0000 | 00000. | 0.0000 | 0.0000 | 0.0000 |
| 23 | 00000. | 00000. | 00000. | 00000. | 0.0000 | 00000. | 0.0000 | 0.0000 | 0.0000 |
| 24 | 00000. | 00000. | 00000. | 00000. | 0.0000 | 00000. | 0.0000 | 0.0000 | 0.0000 |
| 25 | 00000. | 00000. | 00000. | 00000. | 0.0000 | 00000. | 0.0000 | 0.0000 | 0.0000 |
| 26 | 00000. | 00000. | 00000. | 00000. | 0.0000 | 00000. | 0.0000 | 0.0000 | 0.0000 |
| 27 | 00000. | 00000. | 00000. | 00000. | 0.0000 | 00000. | 0.0000 | 0.0000 | 0.0000 |
| 28 | 00000. | 00000. | 00000. | 00000. | 0.0000 | 00000. | 0.0000 | 0.0000 | 0.0000 |
| 29 | 00000. | 00000. | 00000. | 00000. | 0.0000 | 00000. | 0.0000 | 0.0000 | 0.0000 |
| 30 | 00000. | 00000. | 00000. | 00000. | 0.0000 | 00000. | 0.0000 | 0.0000 | 0.0000 |
| 31 | 00000. | 00000. | 00000. | 00000. | 0.0000 | 00000. | 0.0000 | 0.0000 | 0.0000 |
| 32 | 00000. | 00000. | 00000. | 00000. | 0.0000 | 00000. | 0.0000 | 0.0000 | 0.0000 |
| 33 | 00000. | 00000. | 00000. | 00000. | 0.0000 | 00000. | 0.0000 | 0.0000 | 0.0000 |
| 34 | 00000. | 00000. | 00000. | 00000. | 0.0000 | 00000. | 0.0000 | 0.0000 | 0.0000 |
| 35 | 00000. | 00000. | 00000. | 00000. | 0.0000 | 00000. | 0.0000 | 0.0000 | 0.0000 |

SAMPLE FLOW DYNAMIC RATE TABLE (PAGE 2).

| \|<-ATTRITION - RETIREMENT->\|<-- ATTRITION - OTHER -->\| |  |  |  |  |  |  |  |  |  |
|--|-----------------|-----------------|----------------|------------------|-----------------|-----------------|----------------|------------------|--|
| YR DEATH | DISA-
BILITY | FORCE
CONTRL | VOLUN-
TARY | INVOL-
UNTARY | DISA-
BILITY | FORCE
CONTRL | VOLUN-
TARY | INVOL-
UNTARY | |
| 01 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | |
| 02 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | |
| 03 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | |
| 04 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | |
| 05 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | |
| 06 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | |
| 07 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | |
| 08 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | |
| 09 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | |
| 10 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | |
| 11 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | |
| 12 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | |
| 13 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | |
| 14 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | |
| 15 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | |
| 16 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | |
| 17 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | |
| 18 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | |
| 19 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | |
| 20 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | |
| 21 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | |
| 22 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | |
| 23 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | |
| 24 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | |
| 25 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | |
| 26 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | |
| 27 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | |
| 28 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | |
| 29 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | |
| 30 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | |
| 31 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | |
| 32 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | |
| 33 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | |
| 34 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | |
| 35 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | |

Attachment 2 to Appendix J
ACOL/DMSM Interface Programs

Attachment 2a to Appendix J
Sample Terminal Session
ACOL Interface Program

***** SAMPLE TERMINAL SESSION FOR THE LINK PROGRAM *****

NOTE: USER RESPONSE IS INDICATED BY < >.

? SYMBOL INDICATES PROGRAM READING DATA FROM DISK
OR THE CONSOLE STACK.

\$= 2 SECONDS OF CPU TIME.

R; T=0.01/0.03 15:54:03

<DODLINK>

DMSACC723I E (121) R/O<-- LINKS TO DISK HOLDING ACOL TABLES

DMSACC723I F (122) R/O<-- LINKS TO DISK HOLDING FLOW DYNAMIC TABLES

ENTER FILE TYPE OF ENLISTED FORCE GRADE TABLE W/O SERVICE ID. (7 CHAR MAX)

<ONCEMO>

ENTER WHICH ACOL OPTION TO RUN (BASECASE = 1) .

<2>

ENTER FILE TYPE OF OFFICER FORCE GRADE TABLE W/O SERVICE ID. (7 CHAR MAX)

<TWOYMS>

ENTER WHICH ACOL OPTION TO RUN (BASECASE = 1) .

<2>

ENTER FILE TYPE FOR DMDCRATE FILE (8 CHAR MAX) .

ENTER FILE TYPE OF NONE IF DMDCRATE FILE NOT DESIRED.

<COLA5062>

IS THIS AN EXTENDED RETIREME OPTION ? (YES|NO) .

<NO>

NOW WORKING ENLISTED FILES...

FILE AE10FG ONCEMO2 HAS BEEN COPIED TO A DISK.

\$

?

\$

FILE NE10FG ONCEMO2 HAS BEEN COPIED TO A DISK.

?

\$

\$

FILE ME10FG ONCEMO2 HAS BEEN COPIED TO A DISK.

?

\$

\$

FILE FE10FG ONCEMO2 HAS BEEN COPIED TO A DISK.

?

\$

\$

4 FILES HAVE BEEN STACKED TO CREATE DCE04ACL ONCEMO2

?

?

\$

\$

\$

\$
FILE ACELRATE ONCEMO2 HAS BEEN WRITTEN TO FILE DMDCRATE COLA5062
\$
FILE NCELRATE ONCEMO2 HAS BEEN WRITTEN TO FILE DMDCRATE COLA5062
\$
FILE MCELRATE ONCEMO2 HAS BEEN WRITTEN TO FILE DMDCRATE COLA5062
FILE FCELRATE ONCEMO2 HAS BEEN WRITTEN TO FILE DMDCRATE COLA5062

DONE WITH THE 4 SERVICES GETTING DCE01ACL ONCEMO2 FILE.

\$
FILE DCELRATE ONCEMO2 HAS BEEN WRITTEN TO FILE DMDCRATE COLA5062
NOW WORKING OFFICER FILES...
FILE A014FG TWOTYMS2 HAS BEEN COPIED TO A DISK.

\$
?
\$
FILE N014FG TWOTYMS2 HAS BEEN COPIED TO A DISK.

?
\$
FILE M014FG TWOTYMS2 HAS BEEN COPIED TO A DISK.

?
\$
FILE F014FG TWOTYMS2 HAS BEEN COPIED TO A DISK.

?
\$
4 FILES HAVE BEEN STACKED TO CREATE DCO04ACL TWOTYMS2

?
?
\$
\$
\$
?
\$
FILE ACOLRATE TWOTYMS2 HAS BEEN WRITTEN TO FILE DMDCRATE COLA5062

\$
?
\$
\$
FILE NCOLRATE TWOTYMS2 HAS BEEN WRITTEN TO FILE DMDCRATE COLA5062

?
\$
\$
FILE MCOLRATE TWOTYMS2 HAS BEEN WRITTEN TO FILE DMDCRATE COLA5062

\$
?
\$
FILE FCOLRATE TWOTYMS2 HAS BEEN WRITTEN TO FILE DMDCRATE COLA5062

DONE WITH THE 4 SERVICES GETTING DCO01ACL TWOTYMS2 FILE.

?
FILE DCOLRATE TWOTYMS2 HAS BEEN WRITTEN TO FILE DMDCRATE COLA5062

DO YOU WANT TO DO THIS AGAIN ? (YES|NO OR NEWLINK) .

<NO>

DASD 121 DETACHED

DASD 122 DETACHED

R; T=67.77/80.29 16:01:01

Attachment 2b to Appendix J
DODLINK EXEC

1/57

&CONTROL OFF NOMSG

&IF &\$ EQ DEBUG &CONTROL ALL

EXEC CLRSTAK

DISPCL

GLOBAL TXTLIB FORTMOD1

&IF &INDEX = 1 &IF &1 = ? &GOTO -TELL

&IF &INDEX = 1 &IF &1 = HELP &GOTO -TELL

&GOTO -START

-TELL DISPCL

&BEGTYPE

+-----+
+*DODLINK IS THE MASTER EXEC TO RUN THE ACOL LINKAGE PROGRAM WHICH
+ OUTPUTS FLOW DYNAMIC FORMAT THREES FROM FORCE GRADE TABLES INPUT
+ FROM THE APL ANNUALIZED COST OF LEAVING (ACOL) MODEL.
+

+*A FILE OF FORCE DECREMENT AND FORCE PROFILE TABLES NAMED
+ "DMDCRATE" CAN ALSO BE OUTPUT IF DESIRED. ENTERING A DMDCRATE
+ FILETYPE OF "NONE" SUPPRESSES OUTPUT OF THE DMDCRATE FILE.
+

+*AN AGGREGATE DOD FILE IS PRODUCED FOR OFFICER AND ENLISTED
+ POPULATIONS WHEN THE DMDCRATE OPTION IS REQUESTED.
+

+*INPUT FILE NAMES:

+ DCO04XXX = OFFICER (4 SERVICES)

+ DCE04XXX = ENLISTED (4 SERVICES)
+

+*INPUT FILE TYPES:

+ FILEBILD = NORMAL (MODIFIED FOR ACOL=NO LATERAL ACCESSIONS)

+ NEWFILE = EXTENDED RETIREMENT OPTIONS
+

+*NOTE: 1) XXX INDICATES ALTERNATE VERSIONS OF INPUT FILES.

+ 2) LOSSO EXEC REQUIRES ACCESS TO ADDITIONAL FILES FOR
+ CONVERTING COMMISSIONED YEARS OF SERVICE TO TOTAL
+ FEDERAL YEARS OF SERVICE. (SEE LOSSO EXEC)
+

+*OUTPUT FILE NAMES:

+ DCO04XXX = OFFICER (4 SERVICES)

+ DCO01XXX = OFFICER DOD AGGREGATE

+ DCE04XXX = ENLISTED (4 SERVICES)

+ DCE01XXX = ENLISTED DOD AGGREGATE

+ DMDCRATE = 4 SERVICES + DOD OFFICER AND ENLISTED
+

+*OUTPUT FILE TYPES: WILL BE BUILT WITHIN THE EXEC TO REFLECT
+ THE ORIGINAL ACOL FILE TYPE AND OPTION.
+

+*PROGRAM NAMES:

+ EXEC: FORTRAN: MODULE:

+ DODLINK ACOLINK ACOLMOD

+ DODLINK AGGRGATE AGGMOD1

+ LOSSE LOSSEN1 LOSSMODE

+ LOSSO LOSSOFGR LOSSMOD0
+

+*CMS COMMANDS:

+ -LINK TO &USERID1 AS 121 E (FORCE GRADE TABLES)

```

+ -LINK TO &USERID2 AS 122 F (FORMAT THREE'S) +
+ -COPY &FNAME1 &FTYPE1 E TO &FNAME1 &FTOUT A (LRECL 132 +
+ -COPY &FNAME2 &INTYPE F TO TEMPRY DATAFILE A (LRECL 80 +
+ + +
+**DDNAME FILE DEFINITIONS: +
+ -OUTPUT FILE 02 = PRINTER +
+ -OUTPUT FILE 04 = &FNOUT LOSSDATA A (LRECL 132 (ERR ANL) DISP MOD +
+ -INPUT FILE 10 = &TEMPRY DATAFILE A (LRECL 80 (FORMAT3) +
+ -OUTPUT FILE 20 = &FNAME2 &FTOUT A (LRECL 80 (FORMAT3) DISP MOD +
+ -INPUT FILE 20 = &FNAME2 &FTOUT A (LRECL 80 (FORMAT3) DISP MOD +
+ -INPUT FILE 21 = &FNAME1 &FTOUT A (LRECL 132 (FORMAT2) +
+ -OUTPUT FILE 22 = &FNAME3 &FTOUT A (LRECL 80 (AGGMOD1) +
+ + +
+ R.SCHREIBER 16SEP83 +
+-----+

```

```

&END
&TYPE DO YOU WISH TO CONTINUE ? (YES|NO).
&READ VARS &RESPONSE
&RESPONSE = &SUBSTR &RESPONSE 1 1
&IF &RESPONSE NE Y &EXIT
DISPCL
-START STATE * COMRATE A
&IF &RETCODE NE 0 &GOTO -ERR05
-LINK1 &TYPE ENTER USERID WHERE FORCE GRADE TABLE LIVES.
&READ VARS &ID1
LINK TO &ID1 191 121 RR PASS= RPASS
&IF &RETCODE NE 0 &GOTO -ERR01
-LINK2 &TYPE ENTER USERID WHERE FLOW DYNAMIC TABLE LIVES (FORMAT 3).
&READ VARS &ID2
LINK TO &ID2 191 122 RR PASS= RPASS
&IF &RETCODE NE 0 &GOTO -ERR02
SET CMSTYPE HT
ACC 121 E
ACC 122 F
SET CMSTYPE RT
-DOAGAIN &CONTINUE
&TRIP = 1
DISPCL
&TYPE ENTER FILE TYPE OF ENLISTED FORCE GRADE TABLE W/O SERVICE ID. (7 CHAR MAX)
&READ VARS &ETYPE
&TYPE ENTER WHICH ACOL OPTION TO RUN (BASECASE = 1).
&READ VARS &ENMBR
&SPACE 2
&TYPE ENTER FILE TYPE OF OFFICER FORCE GRADE TABLE W/O SERVICE ID. (7 CHAR MAX)
&READ VARS &OTYPE
&TYPE ENTER WHICH ACOL OPTION TO RUN (BASECASE = 1).
&READ VARS &ONMBR
&SPACE 2
&TYPE ENTER FILE TYPE FOR DMDCRATE FILE (8 CHAR MAX).
&TYPE ENTER FILE TYPE OF NONE IF DMDCRATE FILE NOT DESIRED.
&READ VARS &DMDCTYP
&SPACE 2
&END3 = ACL

```



```

&INTYPE = FILEBILD
-REENTER &CONTINUE
&POP = 0
&IF &TRIP = 1 &POP = E
&TIMES = 1
&GOTO -&POP
-E DISPCL
&TYPE NOW WORKING ENLISTED FILES...
&TIME TYPE
&TAIL = 10FG
&TITLE2 = ENLISTED
&FTYPE = &ETYPE
&FTOUT = &CONCAT &ETYPE &ENMBR
&DOLOOP = &ENMBR
&RECS = 685
&FTOUTE = &FTOUT
&NGRADE = 9
&GOTO -AGAIN
-O DISPCL
&TYPE NOW WORKING OFFICER FILES...
&TIME TYPE
&TAIL = 14FG
&TITLE2 = OFFICER
&FTYPE = &OTYPE
&FTOUT = &CONCAT &OTYPE &ONMBR
&DOLOOP = &ONMBR
&RECS = 457
&FTOUTO = &FTOUT
&NGRADE = 6
-AGAIN &CONTINUE
&IF &TIMES EQ 1 &SERVICE = A
&IF &TIMES EQ 1 &TITLE1 = ARMY
&IF &TIMES EQ 2 &SERVICE = N
&IF &TIMES EQ 2 &TITLE1 = NAVY
&IF &TIMES EQ 3 &SERVICE = M
&IF &TIMES EQ 3 &TITLE1 = USMC
&IF &TIMES EQ 4 &SERVICE = F
&IF &TIMES EQ 4 &TITLE1 = USAF
&START = -59
&LOOP 1 &DOLOOP
&START = &START + 60
&FNAME1 = &CONCAT &SERVICE &POP &TAIL
&FTYPE1 = &CONCAT &FTYPE &SERVICE
STATE &FNAME1 &FTYPE1 E
&IF &RETCODE NE 0 &GOTO -ERR03
** COPY FG TABLE FROM E-DISK TO A-DISK. READ IN FROM FILE DEF 21.
COPY &FNAME1 &FTYPE1 E &FNAME1 &FTOUT A (FR &START FOR 43
&TYPE FILE &FNAME1 &FTOUT HAS BEEN COPIED TO YOUR A DISK.
&TIME TYPE
&REC = &RECS - 1
&START = -&REC
&LOOP 1 &TIMES
&START = &START + &RECS
* OUTPUT FORMAT THREE FILENAME J-70

```

```

&FNAME = &CONCAT DC &POP 04ACL
* INPUT FORMAT THREE FILENAME
&FNAME2 = &CONCAT DC &POP 04 &END3
* AGGREGATE FORMAT THREE FILENAME
&FNAME3 = &CONCAT DC &POP 01ACL
* ERROR ANALYSIS OUTPUT FILENAME
&FNOUT = &CONCAT &SERVICE &POP CASE- &DOLoop
**READ SERVICE FORMAT 3 FROM F-DISK. READ AS FILE DEF 10.
STATE &FNAME2 &INTYPE F
&IF &RETcode NE 0 &GOTO -ERR04
COPY &FNAME2 &INTYPE F TEMPRY DATAFILE A (FR &START FOR &RECS
FILEDEF 02 PRINTER (RECFM FA LRECL 132 BLKSIZE 133 PERM
FILEDEF 04 DISK &FNOUT LOSSDATA A (RECFM FB LRECL 132 BLKSIZE 13200 DISP MOD
FILEDEF 10 DISK TEMPRY DATAFILE A
FILEDEF 20 DISK &FNAME &FTOUT A (DISP MOD
FILEDEF 21 DISK &FNAME1 &FTOUT A (RECFM FB LRECL 132 BLKSIZE 13200
FILEDEF 22 DISK &FNAME3 &FTOUT A (RECFM FB LRECL 80 BLKSIZE 8000
&STACK &TITLE1
&STACK &TITLE2
&STACK &FTOUT
*STACK 0 SUPPRESSES ERROR ANALYSIS OUTPUT FROM ACOLINK
*STACK 1 ENABLES ERROR ANALYSIS OUTPUT FROM ACOLINK
&STACK 0
ACCLMOD
ERASE &FNAME1 &FTOUT A
ERASE TEMPRY DATAFILE A
&TIMES = &TIMES + 1
&IF &TIMES LT 5 &GOTO -AGAIN
&TIMES = &TIMES - 1
DISPCL
&TYPE &TIMES FILES HAVE BEEN STACKED TO CREATE &FNAME &FTOUT
&TIME TYPE
&IF &DMDCTYP NE NONE &GOTO -DODMDC
&GOTO -SKIPDMD
-DODMDC &CONTINUE
&STACK DOD
&STACK 4
&STACK &NGRADE
AGGMOD1
&IF &POP EQ E EXEC LOSSE &FNAME &FTOUT &DMDCTYP
&IF &POP EQ O EXEC LOSSO &FNAME &FTOUT &DMDCTYP
-SKIPDMD &CONTINUE
&TRIP = &TRIP + 1
&IF &TRIP LT 3 &GOTO -REENTER
-OOPS &SPACE 2
&TYPE DO YOU WANT TO DO THIS AGAIN ? ( YES|NO OR NEWLINK ).
&READ VARS &ANS
&IF &ANS NE YES &IF &ANS NE NO &IF &ANS NE NEWLINK &GOTO -OOPS
&IF &ANS EQ NEWLINK &GOTO -LINK1
&IF &ANS EQ YES &GOTO -DOAGAIN
&GOTO -CLEANUP
***ERROR MESSAGES***
-ERR01 &TYPE USERID &ID1 IS NOT CORRECT
&GOTO -LINK1

```

-ERR02 &TYPE USERID &ID2 IS NOT CORRECT
&GOTO -LINK2
-ERR03 &TYPE FILE &FNAME1 &FTYPE1 DOES NOT LIVE AT &ID1
&GOTO -CLEANUP
-ERR04 &TYPE FILE &FNAME2 &INTYPE DOES NOT LIVE AT &ID2
&GOTO -CLEANUP
-ERR05 DISPCL
&BEGTYPE
WE'VE GOT A PROBLEM BUD. YOU NEED FIVE FILES WITH THE FILE TYPE
OF COMRATE ON YOUR A-DISK, ONE FOR EACH SERVICE AND DOD TO
PERFORM THE YEAR OF SERVICE CONVERSION ON THE OFFICER POPULATION.
YOU NEED TO FIND THEM AND COPY THEM OVER TO YOUR A-DISK OR CHANGE
THE FILE DEFINITIONS IN THE LOSSO EXEC. SEE YOU LATER.
&END
&GOTO -STOP
-CLEANUP &CONTINUE
REL E (DET
REL F (DET
-STOP &BEGTYPE
PROGRAM TERMINATED...
&END
&EXIT

Attachment 2c to Appendix J
ACOLINK Program Listing

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```

C+++++*****
C ** ACOL TO MDSM LINKAGE PROGRAM **
C (ROUND OFF RATES)
C ACOLINK USES CELL(I,K) VS LOSSR(I,K) IN LOSDIS SUBROUTINE
C
C INPUTS AN OCCGRP FORMAT 3 AND A MATCHING FORMAT 2
C FROM THE ACOL PROGRAM AND CREATES A NEW FORMAT 3.
C ** MODIFIED TO DISTRIBUTE LOSSES OVER ALL GRADES.
C ** MODIFIED TO OPERATE ON STRENGTHS USING AN
C ** INTEGER FORMAT.
C ** TESTS FOR PRO(I,K) < 0 IN SUBROUTINE CHANGE
C
C - DDNAME 04 WRITES OUTPUT TO DISK (LOSS ARRAYS)
C - DDNAME 10 READS IN FORMAT THREE DATA (RATES)
C - DDNAME 20 WRITES OUTPUT TO DISK (NEW FORMAT 3)
C - DDNAME 21 READS IN ACOL DATA (FORCE GRADE TABLE)
C
C
C VERSION: 1.8 BY: P. SCHREIBER 08 NOV 1983
C+++++*****
C REAL FILE(35,18,10),ADJFAC,LOSSR(35,10),
C +TITLE1(65),TITLE2(10,65),LABEL1(130),LABEL2(189),HDR(5,132),
C +BTH(3,132),T1(8),T2(8),T3(8)
C INTEGER IFILE(35,18,10),TEMP1,TEMP2,TEMP3,TTEMP,OUTPUT,GRADE,
C +FIRST,TOTMPR(36),ATLOST(35),ASTN(36,10),
C +ALOST(35,10)
C INTEGER*4 MONTH, DAY, YEAR, HOUR, MIN, SEC
C COMMON /A/ ASTN,ALOST,LOSSR
C COMMON /B/ FILE
C DATA TOTMPR/36*0/
C CALL DAYTIN(MONTH,DAY,YEAR,HOUR,MIN,SEC)
C READ TITLES FROM THE TERMINAL STACK
C-----
C READ(5,1005) T1
C READ(5,1005) T2
C READ(5,1005) T3
C READ(5,*) IDISK
C 1005 FORMAT(8A1)
C-----
C READ FORMAT 3 PAGE ONE
C-----
C READ (10,1000,ERR=910) TITLE1
C READ UNTIL OUT OF DATA (SET K = LAST)
C-----
C DO 300 K = 1, 10
C READ (10,1000,END=920) (TITLE2(K,J),J=1,65)
C READ (10,1000) LABEL1
C DO 100 I = 1,35
C READ (10,1100) (FILE(I,J,K), J = 1,9)
C 100 CONTINUE
C-----

```

0001
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0019

```

0020 C----- READ FORMAT 3 PAGE TWO ----- AC000490
0021 C AC000500
0022 C AC000510
0023 C AC000520
0024 C AC000530
      READ (10,1001) LABEL2
      DO 200 I = 1,35
0025 C AC000540      READ (10,1200) (FILE(I,J,K),J = 10,18)
0026 C AC000550      CONTINUE
0027 C AC000560      200 CONTINUE
0028 C AC000570      300 CONTINUE
0029 C AC000580
0030 C AC000590
0031 C AC000600
0032 C AC000610
0033 C AC000620
0034 C AC000630
0035 C AC000640
      READ IN ACOL FORCE GRADE TABLE -----
0036 C AC000650
0037 C AC000660
0038 C AC000670
0039 C AC000680
0040 C AC000690
0041 C AC000700
0042 C AC000710
0043 C AC000720
0044 C AC000730
0045 C AC000740
0046 C AC000750
0047 C AC000760
0048 C AC000770
0049 C AC000780
0050 C AC000790
0051 C AC000800
0052 C AC000810
0053 C AC000820
0054 C AC000830
0055 C AC000840
0056 C AC000850
0057 C AC000860
0058 C AC000870
0059 C AC000880
0060 C AC000890
0061 C AC000900
0062 C AC000910
0063 C AC000920
0064 C AC000930
0065 C AC000940
0066 C AC000950
0067 C AC000960
      CALL LOSDIS(LAST,ATLOST,IOTMPR,IOISK)

```



```

0074      DO 850 K = 1, LAST
0075      DO 840 I = 1, 35
0076      FILE(I,2,K) = 0.0
0077      FILE(I,3,K) = 0.0
0078      ISUM = 0
0079      DO 830 J = 5, 18
0080      IF(J.EQ. 6) GO TO 830
0081      ISUM = ISUM + INT((FILE(I,J,K)* ASTN(I,K)) + 0.5)
0082      CONTINUE
0083      FILE(I,1,K) = FLOAT(ISUM)
0084      FILE(I,2,1) = FILE(I,1,1)
0085      IF(LAST.EQ. 9) FILE(I,2,3) = FILE(I,1,3)
0086      IF(FILE(I,1,1).LT. 1.0).AND. (LAST.EQ. 6))
+      FILE(I,2,2) = FILE(I,1,2)
0087      CONTINUE
0088      850 CONTINUE
C
C----- OUTPUT NEW FORMAT 3 DATA TO DISK -----
C
0089      OUTPUT = 20
0090      WRITE(OUTPUT, 1006) I1, I2, I3
0091      1006 FORMAT(8A1, 2X, 8A1, 2X, 8A1)
0092      DO 890 GRADE = 1, LAST
0093      WRITE(OUTPUT, 1000) (TITLE2(GRADE, L), L=1, 65)
0094      WRITE(OUTPUT, 1000) LABEL1
0095      DO 880 I = 1, 35
0096      WRITE(OUTPUT, 1101) I, (FILE(I,J, GRADE), J=1, 9)
0097      CONTINUE
0098      WRITE(OUTPUT, 1001) LABEL2
0099      DO 885 I = 1, 35
0100      WRITE(OUTPUT, 1201) I, (FILE(I,J, GRADE), J = 10, 18)
0101      CONTINUE
0102      890 CONTINUE
C
C----- INPUT ERROR AND END OF FILE ROUTINES -----
C
0103      GO TO 999
0104      910 WRITE (6, 2700)
0105      GO TO 999
0106      920 LAST = K - 1
C
0107      WRITE (6, 2800) LAST
0108      GO TO 301
C
C----- READ / WRITE FORMAT STATEMENTS -----
C
0109      1000 FORMAT(65A1)
0110      1010 FORMAT(132A1)

```


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AC001930
AC001940
AC001950
AC001960
AC001970
AC001980
AC001990
AC002000
AC002010
AC002020
AC002030
AC002040

0111 1001 FORMAT(2X,63A1)
0112 1100 FORMAT(2X,3F7.0,2(F7.0,F7.4),2F7.4)
0113 1101 FORMAT(12,3F7.0,2(F7.0,F7.4),2F7.4)
0114 1200 FORMAT(2X,9F7.4)
0115 1201 FORMAT(12,9F7.4)
0116 2700 FORMAT(' INPUT ERROR READING THE DATA SET')
0117 2710 FORMAT(' OUTPUT TO PRINTER (02, OR DISK (03)2')
0118 2800 FORMAT(' DATA HAS BEEN READ FOR ',12,' GRADES')
C
C----- END OF MAIN PROGRAM -----
C
END

0119

| | | | | | |
|--------|----------|--------|----------|--------|----------|
| SYMBOL | LOCATION | SYMBOL | LOCATION | SYMBOL | LOCATION |
| ASTN | 0 | ALOST | 540 | LOSSR | 818 |

| | | | | | |
|--------|----------|---------|----------|--------|----------|
| SYMBOL | LOCATION | SYMBOL | LOCATION | SYMBOL | LOCATION |
| FILE | 0 | ERPRINT | 1A8 | LOSDIS | 1A4 |

| | | | | | |
|--------|----------|---------|----------|--------|----------|
| SYMBOL | LOCATION | SYMBOL | LOCATION | SYMBOL | LOCATION |
| DAYTIM | 194 | IBCOM# | 198 | CLEAN | 1A0 |
| CHANGE | 1A8 | ERPRINT | 1AC | | |

| | | | | | |
|--------|----------|--------|----------|--------|----------|
| SYMBOL | LOCATION | SYMBOL | LOCATION | SYMBOL | LOCATION |
| MONTH | 200 | DAY | 204 | YEAR | 208 |
| SEC | 214 | DISK | 218 | K | 21C |
| LAST | 228 | IMACOL | 22C | LOS | 230 |
| TEMP1 | 23C | TTEMP | 240 | ADJFAC | 244 |
| GRADE | 250 | L | 254 | | |

| | | | | | |
|--------|----------|--------|----------|--------|----------|
| SYMBOL | LOCATION | SYMBOL | LOCATION | SYMBOL | LOCATION |
| TITLE1 | 258 | TITLE2 | 35C | HOUR | 20C |
| BTM | 1CDG | T1 | 2300 | J | 220 |
| TOTMPR | 85D0 | ATLOST | 8660 | X | 234 |
| | | | | ISUM | 248 |

| | | | | | |
|--------|----------|--------|----------|--------|----------|
| SYMBOL | LOCATION | SYMBOL | LOCATION | SYMBOL | LOCATION |
| 1005 | 86F0 | 1006 | 86FA | HDR | 1280 |
| 1100 | 8720 | 1101 | 8737 | IFILE | 2360 |
| 2710 | 8785 | 2800 | 87AE | | |

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MAIN

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| LOCATION | | STATEMENT | | LABEL MAP | | LABEL | | STA NUM | | LABEL | | STA NUM | | LOCATION | | STA NUM | | LABEL | |
|---------------------|-----|--|--|---------------------|--|-----------|--|---------------------|--|-------|--|---------------------|--|----------|--|---------|--|-------|--|
| LOCATION | | STATEMENT | | LABEL MAP | | LABEL | | STA NUM | | LABEL | | STA NUM | | LOCATION | | STA NUM | | LABEL | |
| 0088C0 | 7 | | | 0088CA | | | | 8 | | | | 11 | | 0088EC | | 9 | | | |
| 00890C | 10 | | | 00892C | | | | 15 | | | | 15 | | 008948 | | 13 | | | |
| 00896C | 14 | | | 008980 | | | | 18 | | | | 21 | | 0089D4 | | 16 | | | |
| 0089F4 | 17 | | | 008A02 | | | | 24 | | | | 24 | | 008A54 | | 19 | | 100 | |
| 008A70 | 20 | | | 008A90 | | | | 27 | | | | 27 | | 008A9E | | 22 | | | |
| 008AF0 | 23 | | | 008B0C | | | | 30 | | 300 | | 30 | | 008B2C | | 25 | | | |
| 008B36 | 26 | | | 008B42 | | | | 33 | | | | 33 | | 008B4E | | 28 | | | |
| 008BA0 | 29 | | | 008B8C | | | | 36 | | | | 36 | | 008B90 | | 31 | | | |
| 008C30 | 32 | | | 008C50 | | | | 39 | | | | 39 | | 008C60 | | 34 | | | |
| 008C80 | 35 | | | 008C8C | | | | 42 | | | | 42 | | 008C8C | | 37 | | | |
| 008CE8 | 38 | | | 008D04 | | | | 45 | | | | 45 | | 008C9C | | 40 | | | |
| 008D2E | 41 | | | 008D0E | | | | 48 | | | | 48 | | 008D1C | | 43 | | | |
| 008D56 | 44 | | | 008D6E | | | | 51 | | 650 | | 51 | | 008D4A | | 46 | | | |
| 008D80 | 47 | | | 008D8E | | | | 54 | | | | 54 | | 008D86 | | 49 | | | |
| 008DE6 | 50 | | | 008E02 | | | | 57 | | | | 57 | | 008D8C | | 52 | | | |
| 008E26 | 53 | | | 008E38 | | | | 60 | | 480 | | 60 | | 008E16 | | 55 | | | |
| 008E6A | 56 | | | 008E8A | | | | 63 | | | | 63 | | 008E44 | | 58 | | | |
| 008EF6 | 59 | | | 008F0A | | | | 66 | | | | 66 | | 008EDA | | 61 | | | |
| 008F22 | 62 | | | 008F30 | | | | 69 | | | | 69 | | 008F16 | | 64 | | 770 | |
| 008F58 | 65 | | | 008F64 | | | | 72 | | | | 72 | | 008F3C | | 67 | | | |
| 008FC0 | 68 | | | 008FCC | | | | 75 | | | | 75 | | 008F9A | | 70 | | | |
| 009006 | 71 | | | 009026 | | | | 78 | | 790 | | 78 | | 008FDC | | 73 | | 800 | |
| 009076 | 74 | | | 009092 | | | | 81 | | | | 81 | | 009046 | | 76 | | | |
| 009086 | 77 | | | 0090BE | | | | 84 | | | | 84 | | 0090AA | | 79 | | | |
| 0090D0 | 80 | | | 0090E2 | | | | 90 | | | | 90 | | 0090C6 | | 82 | | 830 | |
| 009144 | 83 | | | 009168 | | | | 94 | | | | 94 | | 009128 | | 85 | | | |
| 00918E | 86 | | | 0091CC | | | | 97 | | | | 97 | | 009170 | | 88 | | 850 | |
| 00921C | 89 | | | 009228 | | | | 100 | | | | 100 | | 0091EC | | 92 | | | |
| 009270 | 93 | | | 009348 | | | | 103 | | | | 103 | | 009260 | | 95 | | | |
| 0092EE | 96 | | | 009392 | | | | 106 | | | | 106 | | 0092E0 | | 98 | | | |
| 009384 | 99 | | | 009428 | | | | 119 | | | | 119 | | 009364 | | 101 | | 885 | |
| 009408 | 102 | | | 009444 | | | | 50 | | | | 50 | | 0093EC | | 104 | | 910 | |
| 009444 | 105 | | | 00946E | | | | LINECHT = | | | | LINECHT = | | 00942E | | 107 | | | |
| 009460 | 108 | | | 00946E | | | | 119, PROGRAM SIZE = | | | | 119, PROGRAM SIZE = | | 00945A | | | | | |
| *OPTIONS IN EFFECT* | | TERM, NOID, EBCDIC, SOURCE, MOLI ST, NODECK, LOAD, MAP, NOTEST | | NAME = MAIN | | LINECHT = | | 50 | | 38012 | | 38012 | | | | | | | |
| *OPTIONS IN EFFECT* | | NAME = MAIN | | LINECHT = | | 50 | | | | | | | | | | | | | |
| *STATISTICS* | | SOURCE STATEMENTS = | | 119, PROGRAM SIZE = | | 38012 | | | | | | | | | | | | | |
| *STATISTICS* | | NO DIAGNOSTICS GENERATED | | | | | | | | | | | | | | | | | |

| SYMBOL
FILE | LOCATION
0 | SYMBOL | COMMON BLOCK /B
LOCATION | SYMBOL | / MAP SIZE
LOCATION | 6270 | SYMBOL | LOCATION | SYMBOL | LOCATION |
|----------------------|----------------------|----------------|------------------------------|-------------|------------------------|------|----------------|----------------|-------------|----------------|
| SYMBOL
K
DELTA | LOCATION
D8
EC | SYMBOL
LAST | SCALAR MAP
LOCATION
DC | SYMBOL
I | LOCATION
E0 | | SYMBOL
RATE | LOCATION
E4 | SYMBOL
J | LOCATION
E8 |

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CLEAN

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| LOCATION | STA NUM | STATEMENT | LABEL MAP | LOCATION | STA NUM | LABEL |
|----------|---------|-----------|-----------|----------|---------|-------|
| 000188 | 1 | | 000188 | 000194 | 5 | |
| 00019E | 6 | | 0001AC | 000184 | 8 | |
| 00018E | 9 | | 0001CC | 0001D8 | 11 | 20 |
| 0001F0 | 12 | | 0001FC | 00020A | 14 | |
| 000214 | 15 | | 000224 | 000230 | 17 | |
| 000236 | 18 | | 00024E | 00025A | 20 | 100 |
| 00028A | 21 | | | | | |

OPTIONS IN EFFECT TERM, NOID, ERCDIC, SOURCE, MOLIST, MODECK, LOAD, MAP, NOTEST
 OPTIONS IN EFFECT NAME = CLEAN, LINECNT = 50
 STATISTICS SOURCE STATEMENTS = 22, PROGRAM SIZE = 658
 STATISTICS NO DIAGNOSTICS GENERATED

```

C-----+AC002350
C SUBROUTINE LOSDIS DETERMINES THE LOSS ARRAY YOS BY GRADE FOR THE
C ACOL FORCE GRADE TABLE. NUMBER LOSS FROM EACH YOS / GRADE DETERMINED
C FROM THE RELATIONSHIP OF THE FORMAT 3 AND ACOL LOSSRATES BY YOS.
C-----+AC002360
C-----+AC002370
C-----+AC002380
C-----+AC002390
C-----+AC002400
C-----+AC002410
C-----+AC002420
C-----+AC002430
C-----+AC002440
C-----+AC002450
C-----+AC002460
C-----+AC002470
C-----+AC002480
C-----+AC002490
C-----+AC002500
C-----+AC002510
C-----+AC002520
C-----+AC002530
C-----+AC002540
C-----+AC002550
C-----+AC002560
C-----+AC002570
C-----+AC002580
C-----+AC002590
C-----+AC002600
C-----+AC002610
C-----+AC002620
C-----+AC002630
C-----+AC002640
C-----+AC002650
C-----+AC002660
C-----+AC002670
C-----+AC002680
C-----+AC002690
C-----+AC002700
C-----+AC002710
C-----+AC002720
C-----+AC002730
C-----+AC002740
C-----+AC002750
C-----+AC002760
C-----+AC002770
C-----+AC002780
C-----+AC002790
C-----+AC002800
C-----+AC002810
C-----+AC002820
C-----+AC002830
C-----+AC002840
C-----+AC002850
C-----+AC002860
C-----+AC002870
C-----+AC002880
C-----+AC002890
C-----+AC002900
C-----+AC002910
C-----+AC002920
C-----+AC002930
C-----+AC002940
C-----+AC002950
C-----+AC002960
C-----+AC002970
C-----+AC002980
C-----+AC002990
C-----+AC003000
C-----+AC003010
C-----+AC003020
C-----+AC003030
C-----+AC003040
C-----+AC003050
C-----+AC003060
C-----+AC003070
C-----+AC003080
C-----+AC003090
C-----+AC003100
C-----+AC003110
C-----+AC003120
C-----+AC003130
C-----+AC003140
C-----+AC003150
C-----+AC003160
C-----+AC003170
C-----+AC003180
C-----+AC003190
C-----+AC003200
C-----+AC003210
C-----+AC003220
C-----+AC003230
C-----+AC003240
C-----+AC003250
C-----+AC003260
C-----+AC003270
C-----+AC003280
C-----+AC003290
C-----+AC003300
C-----+AC003310
C-----+AC003320
C-----+AC003330
C-----+AC003340
C-----+AC003350
C-----+AC003360
C-----+AC003370
C-----+AC003380
C-----+AC003390
C-----+AC003400
C-----+AC003410
C-----+AC003420
C-----+AC003430
C-----+AC003440
C-----+AC003450
C-----+AC003460
C-----+AC003470
C-----+AC003480
C-----+AC003490
C-----+AC003500

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LOSDIS

FORTRAN IV GT RELEASE 2.0

```

0034 IF(1DISK.EQ.0) GO TO 400
0035 WRITE(4,2730)
0036 2730 FORMAT(1H1, 'ORIGINAL ALOST(I,K) ARRAY')
0037 DO 315 I = 1,35
0038   WRITE(4,2731) I, (ALOST(I,K), K = 1,10)
0039 315 CONTINUE
0040 2731 FORMAT(1H ,12,10(2X,16))
0041 WRITE(4,2740)
0042 2740 FORMAT(1H1, 'VOS, FLOSSRATE, RATIO, CELLRATE')
0043 DO 320 I = 1,35
0044   WRITE(4,2741) I, FLOSSR(I), LRATIO(I), (CELL(I,K), K = 1,10)
0045 320 CONTINUE
0046 2741 FORMAT(1H ,12,2(2X,F7.4),5X,10(F8.4))
C
C----- MAIN LOOP TO RECOMPUTE ACOL LOSS DISTRIBUTION -----
400 DO 500 I = 1,35
0047   DO 500 K = 1, LAST
0048     IF(ASIN(I,K) .LT. 1) GO TO 500
0049     TEST FOR LOSSES > STRENGTH IN (I,K)
C-----
0050     IF(ASIN(I,K) .GT. ALOST(I,K)) GO TO 490
0051     GLOST = (ASIN(I,K) - ASIN(I+1,K))
0052     - INT((CELL(I,K) * ASTN(I,K)) + 0.5)
C----- SET ALOST(I,K) IF RIG + PRO = 0 -----
0053     IF(RIG(I,K) + PRO(I,K) .EQ. 0.0) GLOST = ASTN(I,K)
0054     IF(GLOST .LT. 0) GLOST = INT((ASTN(I,K) * CELL(I,K)) + 0.5)
0055     KFIRST = 1
0056     IF(ASIN(I,KFIRST) .GT. 0) GO TO 440
0057     KFIRST = KFIRST + 1
0058     GO TO 430
0059     IF(KFIRST .EQ. K) GO TO 450
0060     DENOM = ALOST(I) - (ALOST(I,KFIRST) + ALOST(I,K))
0061     GLOST = ALOST(I) - (ALOST(I,KFIRST) + GLOST)
0062     RATIO = 1.0
0063     IF(DENOM .GT. 0) RATIO = FLOAT(GLOST) / FLOAT(DENOM)
0064     GO TO 460
C----- CHANGING LOSS FROM LEFT BOUNDARY STRENGTH -----
0065     DENOM = ALOST(I) - ALOST(I,K)
0066     GLOST = ALOST(I) - GLOST
0067     RATIO = 1.0
C----- RECOMPUTE LOSS DISTRIBUTION -----
0068     IF(DENOM .GT. 0) RATIO = FLOAT(GLOST) / FLOAT(DENOM)
0069     KPLUST = KFIRST + 1
0070     DO 470 M = KPLUST, LAST
0071     IF(M .EQ. K) GO TO 470
0072     ALOST(I,M) = INT((ALOST(I,M) * RATIO) + 0.5)
0073     CONTINUE
     ALOST(I,K) = GLOST

```


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LOSDIS

FORTRAM IV G1 RELEASE 2.0

```

0074      LSUM = 0
0075      DO 480 KK = KFIRST, LAST
0076      IF (KK .EQ. K) GO TO 480
0077      LSUM = LSUM + ALOST(I, KK)
0078
0079      CONTINUE
0080      IF (LSUM .GT. GTLOST) GO TO 485
0081      ALOST(I, K) = GTLOST - LSUM
0082      GO TO 500
0083      RATIO = 1.0
0084      IF (LSUM .GT. 0) RATIO = FLOAT(GTLOST) / FLOAT(LSUM)
0085      DO 487 M = KFIRST, LAST
0086      IF (M .EQ. K) GO TO 487
0087      ALOST(I, M) = INT((ALOST(I, M) * RATIO) + 0.5)
0088      CONTINUE
0089      ALOST(I, K) = 0
0090      C WRITE(6,*) I, K, GTLOST, DENOM
0091      C----- TEST FOR ENOUGH LOSSES REMAINING IN GRADE -----
0092      IF (K .EQ. 1) GO TO 495
0093      IF (ASTN(I, K-1) .GT. 0) GO TO 500
0094      IF (ASTN(I, K) - ALOST(I, K) .LT. ASTN(I+1, K)) GO TO 420
0095      CONTINUE
0096      RETURN
0097      C----- END OF LOSDIS -----
0098      C
0099      END

```


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LOADIS

FORTRAN IV G1 RELEASE 2.0

| LOCATION | STA NUM | LABEL | STATEMENT | LABEL MAP | LOCATION | STA NUM | LABEL | LOCATION | STA NUM | LABEL |
|----------|---------|-------|-----------|-----------|----------|---------|-------|----------|---------|-------|
| 001676 | 1 | | | 001676 | 9 | | | 0016AA | 10 | |
| 0016C6 | 11 | | | 0016D8 | 12 | | | 001716 | 13 | |
| 001728 | 14 | | | 001736 | 15 | | | 00173E | 16 | 75 |
| 00174E | 17 | | | 00175A | 18 | | | 001784 | 19 | |
| 00179C | 20 | 100 | | 001818 | 21 | | | 001844 | 22 | |
| 00187A | 23 | | | 0018BC | 24 | | | 0018FA | 25 | |
| 001914 | 26 | 200 | | 001944 | 27 | | | 001964 | 28 | |
| 001976 | 29 | | | 001988 | 30 | | | 001994 | 31 | |
| 0019AE | 32 | | | 0019F4 | 33 | | 300 | 001A4C | 34 | |
| 001A5E | 35 | | | 001A74 | 37 | | | 001A80 | 38 | |
| 001AD8 | 39 | 315 | | 001AF4 | 41 | | | 001B08 | 43 | |
| 001B1C | 44 | | | 001B84 | 45 | | 320 | 001BA0 | 47 | 400 |
| 001BD8 | 48 | | | 001BF8 | 49 | | | 001C0A | 50 | |
| 001C18 | 51 | 420 | | 001C72 | 52 | | | 001C98 | 53 | |
| 001CF0 | 54 | | | 001CFC | 55 | | 430 | 001D20 | 56 | |
| 001D2C | 57 | | | 001D32 | 58 | | 440 | 001D40 | 59 | |
| 001D6C | 60 | | | 001D98 | 61 | | | 001DA0 | 62 | |
| 001DEC | 63 | | | 001DF2 | 64 | | 450 | 001E06 | 65 | |
| 001E16 | 66 | | | 001E1E | 67 | | | 001E6A | 68 | 460 |
| 001E7A | 69 | | | 001E90 | 70 | | | 001E9E | 71 | |
| 001EE4 | 72 | | | 001F00 | 73 | | | 001F08 | 74 | |
| 001F14 | 75 | | | 001F2A | 76 | | | 001F38 | 77 | |
| 001F44 | 78 | 480 | | 001F60 | 79 | | | 001F6E | 80 | |
| 001F7A | 81 | | | 001F80 | 82 | | 485 | 001F8C | 83 | |
| 001FD8 | 84 | | | 001FF2 | 85 | | | 002000 | 86 | |
| 002046 | 87 | 487 | | 002062 | 88 | | | 00206E | 89 | |
| 002074 | 90 | 490 | | 002086 | 91 | | | 002094 | 92 | 495 |
| 0020AE | 93 | 500 | | 00212E | 94 | | | | | |

OPTIONS IN EFFECT TERM, NOID, EBCDIC, SOURCE, NOLIST, NODECK, LOAD, MAP, NOTEST
 OPTIONS IN EFFECT NAME = LOADIS , LINECNT = 50
 STATISTICS SOURCE STATEMENTS = 95, PROGRAM SIZE = 8502
 STATISTICS MC DIAGNOSTICS GENERATED

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DATE = 84004

MAIN

RELEASE 2.0

FORTRAN IV G1

```

0001 C-----+AC003580
0002 C SUBROUTINE CHANGE ADJUSTS THE FLOW RATES FROM THE INPUT FORMAT 3
0003 C TO MATCH THE INPUT FORCE GRADE TABLE FROM ACOL. THE OUTPUT IS A
0004 C REVISED FORMAT 3.
0005 C-----+AC003590
0006 C-----+AC003600
0007 C-----+AC003610
0008 C-----+AC003620
0009 C-----+AC003630
0010 C-----+AC003640
0011 C-----+AC003650
0012 C-----+AC003660
0013 C-----+AC003670
0014 C-----+AC003680
0015 C-----+AC003690
0016 C-----+AC003700
0017 C-----+AC003710
0018 C-----+AC003720
0019 C-----+AC003730
0020 C-----+AC003740
0021 C-----+AC003750
0022 C-----+AC003760
0023 C-----+AC003770
0024 C-----+AC003780
0025 C-----+AC003790
0026 C-----+AC003800
0027 C-----+AC003810
0028 C-----+AC003820
0029 C-----+AC003830
0030 C-----+AC003840
0031 C-----+AC003850
0032 C-----+AC003860
0033 C-----+AC003870
0034 C-----+AC003880
0035 C-----+AC003890
0036 C-----+AC003900
0037 C-----+AC003910
0038 C-----+AC003920
0039 C-----+AC003930
0040 C-----+AC003940
0041 C-----+AC003950
0042 C-----+AC003960
0043 C-----+AC003970
0044 C-----+AC003980
0045 C-----+AC003990
0046 C-----+AC004000
0047 C-----+AC004010
0048 C-----+AC004020
0049 C-----+AC004030
0050 C-----+AC004040
0051 C-----+AC004050

SUBROUTINE CHANGE(LAST,ATLOST)
  INTEGER ASTN(36,10), ALOST(35,10), RIG(35,10), PRG(35,10),
  +ATLOST(35)
  REAL LOSSR(35,10), ALOSSR(35,10), FILE(35,18,10)
  COMMON /A/ ASTN,ALOST,LOSSR
  COMMON /B/ FILE
  COMMON /C/ PRG,RIG
  DATA ALOSSR/350*0.0/

C----- MAIN LOOP DETERMINES RIG AND PRO BETWEEN CELLS -----
C
DO 200 I = 1,35
  DO 200 K = 1, LAST
    SKIP IT IF VOS/GRADE STRENGTH = 0.
    IF (ASTN(I,K) .LT. 1) GO TO 200
    LEFT BOUNDARY CHECK
    IF (K .EQ. 1) GO TO 50
    IF (ASTN(I,K-1) .GT. 0) GO TO 100
    ROUTINE FOR LEFT BOUNDARY
    50 RIG(I,K) = ASTN(I+1,K)
    IF (FILE(I,8,K) .LE. 0.) RIG(I,K) = 0
    IF (ASTN(I+1,K+1) .LT. 1) GO TO 125
    PRO(I,K) = ASTN(I,K) - (ALOST(I,K) + RIG(I,K))
    IF (FILE(I,9,K) .LE. 0.) PRO(I,K) = 0
    IF (PRO(I,K) .GT. ASTN(I+1,K+1)) GO TO 150
    IF (PRG(I,K) .LT. 0) GO TO 140
    IF (PRG(I,K) .LT. 1) .AND. (RIG(I,K) .LT. 1) GO TO 151
    GO TO 200
    ROUTINE FOR INTERNAL STRENGTH CELL
    100 RIG(I,K) = ASTN(I+1,K) - PRO(I,K-1)
    IF (FILE(I,8,K) .LE. 0.) RIG(I,K) = 0
    IF (ASTN(I+1,K+1) .LT. 1) GO TO 125
    PRO(I,K) = ASTN(I,K) - (ALOST(I,K) + RIG(I,K))
    IF (FILE(I,9,K) .LE. 0.) PRO(I,K) = 0
    IF (PRO(I,K) .GT. ASTN(I+1,K+1)) GO TO 150
    IF (PRG(I,K) .LT. 0) GO TO 140
    IF (PRG(I,K) .LT. 1) .AND. (RIG(I,K) .LT. 1) GO TO 151
    GO TO 200
    ROUTINE FOR RIGHT BOUNDARY
    125 PRO(I,K) = 0
    NULOST = ASTN(I,K) - RIG(I,K)

```

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CHANGE

RELEASE 2.0

FORTRAN IV G1

```

0033      GO TO 180
0034      C----- ROUTINE FOR PRO(I,K) < 0 ON INTERNAL CELLS
0035      140 PRO(I,K) = INT((ASTN(I,K)*FILE(1,9,K))+0.5)
0036      GO TO 151
0037      150 PRO(I,K) = ASTN(I+1,K+1)
0038      151 NULOST = ASTN(I,K) - (RIG(I,K) + PRO(I,K))
0039      GO TO 180
0040      C----- ROUTINE TO CHANGE THE LOSS DISTRIBUTION AGAIN
0041      180 NDEMOM = 0
0042      DO 181 M = 1, LAST
0043      IF(M.EQ. K) GO TO 181
0044      NDEMOM = NDEMOM + ALOST(I,M)
0045      181 CONTINUE
0046      NMRATR = ATLOST(I) - NULOST
0047      X = 1.0
0048      IF(NDEMOM.GT. 0) X = FLOAT(NMRATR) / FLOAT(NDEMOM)
0049      DO 182 M = 1, LAST
0050      IF(M.EQ. K) GO TO 182
0051      ALOST(I,M) = INT((ALOST(I,M) * X) + 0.5)
0052      182 CONTINUE
0053      GO TO 200
0054      C----- END OF LOOP THAT DETERMINES RIG, PRO, AND LOSSES
0055      200 CONTINUE
0056      C----- LOOP TO CHANGE FORMAT 3 RATES
0057      DO 400 K = 1, LAST
0058      DO 400 I = 1,35
0059      SKIP IT IF VOS/GRADE STRENGTH = 0.
0060      IF(ASTN(I,K).LT. 1) GO TO 400
0061      ALOSSR(I,K) = FLOAT(ALOST(I,K)) / FLOAT(ASTN(I,K))
0062      IF(LOSSR(I,K).GT. 0.0) ADJFAC = ALOSSR(I,K) / LOSSR(I,K)
0063      C----- COMPUTE NEW RATES
0064      260 FILE(1,5,K) = FILE(1,5,K) * ADJFAC
0065      FILE(1,7,K) = FILE(1,7,K) * ADJFAC
0066      DO 300 J = 10,18
0067      FILE(1,J,K) = FILE(1,J,K) * ADJFAC
0068      300 CONTINUE
0069      FILE(1,1,K) = FLOAT(ASTN(I,K))
0070      FILE(1,8,K) = FLOAT(RIG(I,K)) / FLOAT(ASTN(I,K))
0071      FILE(1,9,K) = FLOAT(PRO(I,K)) / FLOAT(ASTN(I,K))
0072      400 CONTINUE
0073      C----- RETURN NEW FILE(1,J,K) TO CALLING PROGRAM
0074      RETURN
0075      C----- END OF CHANGE
0076      C----- END

```

| | | | | | | | | | | |
|------------------|------------------------|-----------------------|--------------------------------------|---------------------|-------------------------------|------|----------------------------|------------------------|-----------------------|------------------------|
| SYMBOL
ASTN | LOCATION
0 | SYMBOL
ALOST | COMMON BLOCK /A
LOCATION
5A0 | SYMBOL
LOSSR | / MAP SIZE
LOCATION
B18 | 1090 | SYMBOL | LOCATION | SYMBOL | LOCATION |
| SYMBOL
FILE | LOCATION
0 | SYMBOL | COMMON BLOCK /B
LOCATION | SYMBOL | / MAP SIZE
LOCATION | 6270 | SYMBOL | LOCATION | SYMBOL | LOCATION |
| SYMBOL
PRO | LOCATION
G | SYMBOL
RIG | COMMON BLOCK /C
LOCATION
578 | SYMBOL | / MAP SIZE
LOCATION | AFO | SYMBOL | LOCATION | SYMBOL | LOCATION |
| SYMBOL
I
H | LOCATION
18C
1A0 | SYMBOL
K
NHRATR | SCALAR MAP
LOCATION
190
1A4 | SYMBOL
LAST
X | LOCATION
194
1A8 | | SYMBOL
MULOST
ADJFAC | LOCATION
198
1AC | SYMBOL
NDENOM
J | LOCATION
19C
1B0 |
| SYMBOL
ATLOST | LOCATION
194 | SYMBOL
ALOSSR | ARRAY MAP
LOCATION
1B8 | SYMBOL | LOCATION | | SYMBOL | LOCATION | SYMBOL | LOCATION |

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CHANGE

FORTRAM IV G1 RELEASE 2.0

| LOCATION | STA NUM | LABEL | STATEMENT | LABEL MAP | LOCATION | STA NUM | LABEL | LOCATION | STA NUM | LABEL |
|----------|---------|-------|-----------|-----------|----------|---------|-------|----------|---------|-------|
| 00083C | 1 | | | | 00083C | 8 | | 000870 | 9 | |
| 000894 | 10 | | | | 0008A6 | 11 | | 0008B4 | 12 | |
| 0008C2 | 13 | 50 | | | 0008D2 | 14 | | 0008F0 | 15 | |
| 000902 | 16 | | | | 000920 | 17 | | 00093A | 18 | |
| 00094C | 19 | | | | 00095A | 20 | | 000990 | 21 | |
| 000996 | 22 | 100 | | | 0009AA | 23 | | 0009C8 | 24 | |
| 0009DA | 25 | | | | 0009F8 | 26 | | 000A12 | 27 | |
| 000A24 | 28 | | | | 000A32 | 29 | | 000A68 | 30 | |
| 000AGE | 31 | 125 | | | 000A76 | 32 | | 000A8A | 33 | |
| 000A90 | 34 | 140 | | | 000ADA | 35 | | 000AE0 | 36 | 150 |
| 000AEC | 37 | 151 | | | 000B06 | 38 | | 000B0C | 39 | 180 |
| 000B14 | 40 | | | | 000B20 | 41 | | 000B2E | 42 | |
| 000B3A | 43 | 181 | | | 000B52 | 44 | | 000B62 | 45 | |
| 000B6A | 46 | | | | 000B86 | 47 | | 000B8C | 48 | |
| 000BDD | 49 | | | | 000C12 | 50 | 182 | 000C2A | 51 | |
| 000C30 | 52 | 200 | | | 000C84 | 53 | | 000CE4 | 54 | |
| 000D00 | 55 | | | | 000D0E | 56 | | 000D50 | 57 | |
| 000D72 | 58 | 260 | | | 000D7E | 59 | | 000D8A | 60 | |
| 000D94 | 61 | | | | 000DA0 | 62 | 300 | 000D88 | 63 | |
| 000DD8 | 64 | | | | 000E1E | 65 | | 000E50 | 66 | 400 |
| 000EDC | 67 | | | | | | | | | |

OPTIONS IN EFFECT TERM,NOID,EBCDIC,SOURCE,NOLIST,NODECK,LOAD,MAP,NOTEST
 OPTIONS IN EFFECT NAME = CHANGE , LINECNT = 50
 STATISTICS SOURCE STATEMENTS = 68, PROGRAM SIZE = 3812
 STATISTICS NO DIAGNOSTICS GENERATED

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MAIN

FORTRAN IV G1 RELEASE 2.0

```

0001 SUBROUTINE ERPRINT(ATLOST, LAST)
0002 INTEGER IOST(35,10), IOST(35,10), ATLOST(35,10), ATLOST(35,10),
0003 REAL LOSSR(35,10)
0004 COMMON /A/ ASIN,ALOST,LOSSR
0005 COMMON /C/ PRO,RIG
0006 COMMON /D/ LOST,TLOST
0007 WRITE(4,1010)
0008 1010 FORMAT(1H, 'FORMAT 3 LOST YOS X GRADE, TOTAL LOST')
0009 DO 10 I = 1,35
0010 WRITE(4,1015) I, (LOST(I,K), K = 1,10), TLOST(I)
0011 10 CONTINUE
0012 WRITE(4,1020)
0013 1020 FORMAT(1H, 'LOSS RATE FROM FORMAT 3')
0014 DO 20 I = 1,35
0015 WRITE(4,1025) I, (LOSSR(I,K), K = 1,10)
0016 20 CONTINUE
0017 WRITE(4,1030)
0018 1030 FORMAT(1H, 'ACOL LOST YOS X GRADE, TOTAL LOST')
0019 DO 30 I = 1,35
0020 WRITE(4,1015) I, (ALOST(I,K), K = 1,10), ATLOST(I)
0021 30 CONTINUE
0022 WRITE(4,1040)
0023 1040 FORMAT(1H, 'PERCENT LOST DISTRIBUTION FROM FORMAT 3')
0024 DO 40 I = 1,35
0025 WRITE(4,1025) I, (PLOST(I,K), K = 1,10)
0026 40 CONTINUE
0027 WRITE(4,1050)
0028 1050 FORMAT(1H, 'ACOL REMA:IN IN GRADE')
0029 DO 50 I = 1,35
0030 WRITE(4,1035) I, (RIG(I,K), K = 1,10)
0031 50 CONTINUE
0032 WRITE(4,1060)
0033 1060 FORMAT(1H, 'ACOL PROMOTE OUT')
0034 DO 60 I = 1,35
0035 WRITE(4,1035) I, (PRO(I,K), K = 1,10)
0036 60 CONTINUE
0037 1015 FORMAT(1H, '12,10(2X,16),16)
0038 1025 FORMAT(1H, '12,10(2X,F7.4)')
0039 1035 FORMAT(1H, '12,10(2X,16)')
0040 RETURN
0041 C
0042 C----- END OF ERPRINT -----
0043 C

```


PAGE 0002

AC005020
AC005030

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ERPRINT

FORTRAM IV G1 RELEASE 2.0

C

END

0036

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ERPRINT

FORTRAM IV G1 RELEASE 2.0

| | | | | | | | | | | |
|------------------------|-----------------------|------------------------|--|------------------------|-------------------------------|------|--------|----------|--------|----------|
| SYMBOL
ASTN | LOCATION
0 | SYMBOL
ALOST | COMMON BLOCK /A
LOCATION
5A0 | SYMBOL
LOSSR | / MAP SIZE
LOCATION
B18 | 1090 | SYMBOL | LOCATION | SYMBOL | LOCATION |
| SYMBOL
PRO | LOCATION
0 | SYMBOL
RIG | COMMON BLOCK /C
LOCATION
578 | SYMBOL | / MAP SIZE
LOCATION | AFO | SYMBOL | LOCATION | SYMBOL | LOCATION |
| SYMBOL
LOST | LOCATION
0 | SYMBOL
TLOST | COMMON BLOCK /D
LOCATION
578 | SYMBOL | / MAP SIZE
LOCATION | 604 | SYMBOL | LOCATION | SYMBOL | LOCATION |
| SYMBOL
IBCOM# | LOCATION
C4 | SYMBOL | SUBPROGRAMS CALLED
LOCATION | SYMBOL | LOCATION | | SYMBOL | LOCATION | SYMBOL | LOCATION |
| SYMBOL
I | LOCATION
C8 | SYMBOL
K | SCALAR MAP
LOCATION
CC | SYMBOL
LAST | LOCATION
D0 | | SYMBOL | LOCATION | SYMBOL | LOCATION |
| SYMBOL
ATLOST | LOCATION
D4 | SYMBOL | ARRAY MAP
LOCATION | SYMBOL | LOCATION | | SYMBOL | LOCATION | SYMBOL | LOCATION |
| SYMBOL
1010
1015 | LOCATION
D8
17A | SYMBOL
1020
1025 | FORMAT STATEMENT MAP
LOCATION
103
18A | SYMBOL
1030
1035 | LOCATION
121
199 | | SYMBOL | LOCATION | SYMBOL | LOCATION |

| LOCATION | STA NUM | LABEL | STATEMENT | LABEL MAP | LOCATION | STA NUM | LABEL | LOCATION | STA NUM | LABEL |
|----------|---------|-------|-----------|-----------|----------|---------|-------|----------|---------|-------|
| 000248 | 1 | | | 000248 | | 7 | | 00025C | 9 | |
| 00026C | 10 | | | 0002C4 | 11 | 10 | | 0002DC | 12 | |
| 0002F0 | 14 | | | 0002FC | 15 | | | 00034C | 16 | 20 |
| 000364 | 17 | | | 000378 | 19 | | | 00038C | 20 | |
| 0003E4 | 21 | 30 | | 000400 | 22 | | | 000414 | 24 | |
| 000420 | 25 | | | 000470 | 26 | 50 | | 000488 | 27 | |
| 00049C | 29 | | | 0004A5 | 30 | | | 0004F8 | 31 | 60 |
| 000510 | 35 | | | | | | | | | |

OPTIONS IN EFFECT TERM,NOID,EBDCIC, SOURCE, NO LIST, MODECK, LOAD, MAP, NOTEST

OPTIONS IN EFFECT NAME = ERPRINT , LINECNT = 50

STATISTICS SOURCE STATEMENTS = 36, PROGRAM SIZE = 1304

STATISTICS NO DIAGNOSTICS GENERATED

```

0001      C
0002      C----- BLOCK DATA INITIALIZES FILE & ASTN ARRAYS -----
0003      C
0004      BLOCK DATA
0005      INTEGER ASTN,ALOST,PRO,RIG,TLOST
0006      REAL LOSSR
0007      COMMON /A/ ASTN(36,10),ALOST(35,10),LOSSR(35,10)
0008      COMMON /B/ FILE(35,18,10)
0009      COMMON /C/ PRO(35,10),RIG(35,10)
0010      COMMON /D/ TLOST(35),LGST(35,10)
0011      DATA FILE /6300*0.C/,ASTN,ALOST/710*0/, LOSSR/350*0.0/,
0012      +PRO,RIG/700*0/,LOST,TLOST/385*0/
0013      END
0014
0015      AC0050140
0016      AC005050
0017      AC005060
0018      AC005070
0019      AC005080
0020      AC005090
0021      AC005100
0022      AC005110
0023      AC005120
0024      AC005130
0025      AC005140
0026      AC005150
0027      AC005160

```

| SYMBOL | LOCATION | SYMBOL | LOCATION | COMMON BLOCK /A
SYMBOL LOCATION
5A0 | / MAP SIZE
SYMBOL LOCATION
B18 | SYMBOL | LOCATION | SYMBOL | LOCATION |
|--------|----------|--------|----------|---|---------------------------------------|--------|----------|--------|----------|
| ASTN | 0 | ALOST | | | | | | | |
| FILE | 0 | SYMBOL | | COMMON BLOCK /B
SYMBOL LOCATION
8C | / MAP SIZE
SYMBOL LOCATION
6279 | | | | |
| PRO | 0 | RIG | | COMMON BLOCK /C
SYMBOL LOCATION
578 | / MAP SIZE
SYMBOL LOCATION
AF0 | | | | |
| TLOST | 0 | LOST | | COMMON BLOCK /D
SYMBOL LOCATION
8C | / MAP SIZE
SYMBOL LOCATION
604 | | | | |

OPTIONS IN EFFECT TERM, NOLD, EBCDIC, SOURCE, NOLIST, NODECK, LOAD, MAP, NOTEST
 OPTIONS IN EFFECT NAME = BLK DATA, LINECNT = 50
 STATISTICS NO DIAGNOSTICS GENERATED
 STATISTICS NO DIAGNOSTICS THIS STEP

Attachment 2d to Appendix J
OCCLINK EXEC

11/57

&CONTROL OFF NOMSG

&IF &\$ EQ DEBUG &CONTROL ALL

EXEC CLRSTAK

DISPCL

GLOBAL TXTLIB FORTMOD1

&IF &INDEX = 1 &IF &1 = ? &GOTO -TELL

&IF &INDEX = 1 &IF &1 = HELP &GOTO -TELL

&GOTO -START

-TELL DISPCL

&BEGTYPE

+-----+
+*OCCLINK IS THE MASTER EXEC TO RUN THE ACOL LINKAGE PROGRAM WHICH +
+ OUTPUTS FLOW DYNAMIC FORMAT THREES FROM FORCE GRADE TABLES INPUT +
+ FROM THE APL ANNUALIZED COST OF LEAVING (ACOL) MODEL. +

+*RUNS ALL FOUR SERVICES (OFFICER OR ENLISTED) BY OCCUPATION GROUP. +
+ IT TAKES INTO ACCOUNT MISSING OCC GROUPS IN SOME SERVICES. +

+*INPUT FILE NAMES:

+ DCOOXX TO DCO13XX = OFFICER (4 SERVICES)

+ DCEOXX TO DCE09XX = ENLISTED (4 SERVICES)

+*INPUT FILE TYPES:

+ OCCDATA = NORMAL (MODIFIED FOR ACOL=NO LATERAL ACCESSIONS)

+*OUTPUT FILE NAMES:

+ DCOOXX TO DCO13XX = OFFICER (4 SERVICES)

+ DCEOXX TO DCE09XX = ENLISTED (4 SERVICES)

+*OUTPUT FILE TYPES: WILL BE BUILT WITHIN THE EXEC TO REFLECT +
+ THE ORIGINAL ACOL FILE TYPE AND OPTION. +

+*PROGRAM NAMES:

+ EXEC: FORTRAN: MODULE:

+ OCCLINK ACOLINK ACOLMOD

+*CMS COMMANDS:

+ -LINK TO &USERID AS 121 E (FORCE GRADE TABLES)

+ -LINK TO QRMCIAM AS 122 F (FLOW DYNAMIC TABLES-FORMAT 3)

+ -COPY &FNAME1 &FTYPE1 E TO FORCGRAD TABLE A (LRECL 132

+ -COPY &FNAME2 &INTYPE F TO TEMPRY DATAFILE A (LRECL 80

+*DDNAME FILE DEFINITIONS:

+ -OUTPUT FILE 02 = PRINTER

+ -INPUT FILE 10 = &TEMPRY DATAFILE A (LRECL 80 (FORMAT3)

+ -OUTPUT FILE 20 = &FNAME2 &FTOUT A (LRECL 80 (FORMAT3) DISP MOD+

+ -INPUT FILE 21 = FORCGRAD TABLE A (LRECL 132 (FORMAT2)

+ R.SCHREIBER 16SEP83

+-----+
&END

&TYPE DO YOU WISH TO CONTINUE ? (YES|NO).

&READ VARS &RESPONSE

&RESPONSE = &SUBSTR &RESPONSE 1 1

&IF &RESPONSE NE Y &EXIT

```

DISPCL
-START &TYPE ENTER USERID WHERE FORCE GRADE TABLE LIVES.
&READ VARS &ID1
  LINK TO &ID1 191 121 RR PASS= RPASS
&IF &RETCODE NE 0 &GOTO -ERRO1
-LINK2 &TYPE ENTER USERID WHERE FLOW DYNAMIC TABLE LIVES (FORMAT 3).
&READ VARS &ID2
  LINK TO &ID2 191 122 RR PASS= RPASS
&IF &RETCODE NE 0 &GOTO -ERRO2
SET CMSTYPE HT
  ACC 121 E
  ACC 122 F
SET CMSTYPE RT
-DOAGAIN DISPCL
&TYPE ENTER FILE TYPE OF FORCE GRADE TABLE W/O SERVICE ID. (7 CHAR MAX)
&READ VARS &INTYPE
&SPACE 2
&TYPE ENTER WHICH ACOL OPTION TO RUN (BASECASE = 1).
&READ VARS &OPTION
&SPACE 2
&TYPE ENTER RUN TYPE (E = ENLISTED, O = OFFICER).
&READ VARS &POP
&TIMES = 1
&TRIPS = 1
&GOTO -&POP
-E DISPCL
&BEGTYPE
SPECIFY WHICH OCCUPATION GROUP TO RUN:
CODE  OCCUPATION
0      INFANTRY/GUNNER/SEAMAN
1      ELEC EQUIP REPAIR
2      COMM/INTELL
3      MEDICAL/DENTAL
4      OTHER TECH SPCLST
5      SUPPORT/ADMIN
6      MECH EQUIP REPAIR
7      CRAFTSMAN
8      SERVICE/SUPPLY
9      NON-OCCUPATIONAL
&END
&READ VARS &OCCODE
&OCCODE = &CONCAT 0 &OCCODE
&TAIL = &CONCAT &OCCODE FG
&TITLE2 = ENLISTED
&FTOUT = &CONCAT &INTYPE &OPTION
&DOLOOP = &OPTION
&RECS = 685
-SETETIMES &CONTINUE
&IF &OCCODE EQ 3 &IF &TIMES EQ 3 &TIMES = 4
&GOTO -TITLES
-O DISPCL
&BEGTYPE
SPECIFY WHICH OCCUPATION GROUP TO RUN:
CODE  OCCUPATION

```



```

0      LEGAL
1      CHAPLAIN
2      PHYSICIAN
3      DENTIST
4      NURSE
5      VETERINARIAN
6      MED-SVC-CORPS
7      BIO-MED
8      PILOTS
9      NAVIGATORS
10     COMBAT/NAV OPS
11     COMBAT SUPPORT
12     SCI/ENG
13     OTHER(LDO)
&END
&READ VARS &OCCODE
&IF &OCCODE LT 10 &OCCODE = &CONCAT 0 &OCCODE
&TAIL = &CONCAT &OCCODE FG
&TITLE2 = OFFICER
&FTOUT = &CONCAT &INTYPE &OPTION
&DOLOOP = &OPTION
&RECS = 457
-SETOTIMES &CONTINUE
&IF &OCCODE EQ 1 &IF &TIMES EQ 3 &TIMES = 4
&IF &OCCODE EQ 2 &IF &TIMES EQ 3 &TIMES = 4
&IF &OCCODE EQ 3 &IF &TIMES EQ 3 &TIMES = 4
&IF &OCCODE EQ 4 &IF &TIMES EQ 3 &TIMES = 4
&IF &OCCODE EQ 5 &IF &TIMES GT 1 &GOTO -DONE
&IF &OCCODE EQ 6 &IF &TIMES EQ 3 &TIMES = 4
&IF &OCCODE EQ 7 &IF &TIMES EQ 2 &TIMES = 4
&IF &OCCODE EQ 9 &IF &TIMES EQ 1 &TIMES = 2
&IF &OCCODE EQ 10 &IF &TIMES EQ 4 &GOTO -DONE
&IF &OCCODE EQ 11 &IF &TIMES EQ 2 &TIMES = 3
&IF &OCCODE EQ 12 &TIMES = 4
&IF &OCCODE EQ 13 &IF &TIMES EQ 4 &GOTO -DONE
-TITLES &CONTINUE
&IF &TIMES EQ 1 &SERVICE = A
&IF &TIMES EQ 1 &TITLE1 = ARMY
&IF &TIMES EQ 2 &SERVICE = N
&IF &TIMES EQ 2 &TITLE1 = NAVY
&IF &TIMES EQ 3 &SERVICE = M
&IF &TIMES EQ 3 &TITLE1 = USMC
&IF &TIMES EQ 4 &SERVICE = F
&IF &TIMES EQ 4 &TITLE1 = USAF
&START = -59
&LOOP 1 &DOLOOP
&START = &START + 60
** SET NAME FOR INPUT FORCE GRADE TABLE **
&FNAME1 = &CONCAT &SERVICE &POP &TAIL
&FTYPE1 = &CONCAT &INTYPE &SERVICE
** COPY FG TABLE FROM E-DISK TO A-DISK. READ IN FROM FILE DEF 21 **
STATE &FNAME1 &FTYPE1 E
&IF &RETCODE NE 0 &GOTO -ERR03

```

```

COPY &FNAME1 &FTYPE1 E FORCGRAD TABLE A (FR &START FOR 43
&TYPE FILE &FNAME1 &FTOUT HAS BEEN COPIED TO YOUR A-DISK.
&REC = &RECS - 1
&START = -&REC
&LOOP 1 &TRIPS
&START = &START + &RECS
&TRIPS = &TRIPS + 1
** SET NAME FOR INPUT AND OUTPUT FORMAT THREE **
&FNAME2 = &CONCAT DC &POP &OCCODE XX
** READ SERVICE FORMAT 3 FROM F-DISK. READ AS FILE DEF 10 **
STATE &FNAME2 OCCDATA F
&IF &RETCODE NE 0 &GOTO -ERR04
COPY &FNAME2 OCCDATA F TEMPRY DATAFILE A (FR &START FOR &RECS
FILEDEF 02 PRINTER (RECFM FA LRECL 132 BLKSIZE 133 PERM
FILEDEF 04 DISK &FNAME2 ANALYSIS A (DISP MOD
FILEDEF 10 DISK TEMPRY DATAFILE A
FILEDEF 20 DISK &FNAME2 &FTOUT A (DISP MOD
FILEDEF 21 DISK FORCGRAD TABLE A (RECFM FB LRECL 132 BLKSIZE 13200
&STACK &TITLE1
&STACK &TITLE2
&STACK &FTOUT
*** ERROR ANALYSIS OUTPUT ***
*STACK 0 SUPPRESSES ERROR ANALYSIS OUTPUT FROM ACOLINK
*STACK 1 ENABLES ERROR ANALYSIS OUTPUT FROM ACOLINK
&STACK 0
ACOLMOD
ERASE TEMPRY DATAFILE A
ERASE FORCGRAD TABLE A
&TYPE DONE WITH &TITLE1 &TITLE2
&TIMES = &TIMES + 1
&IF &TIMES GE 5 &GOTO -DONE
&IF &POP EQ E &GOTO -SETETIMES
&GOTO -SETOTIMES
-DONE &CONTINUE
&TRIPS = &TRIPS - 1
&TYPE &TRIPS FILES HAVE BEEN STACKED TO CREATE &FNAME2 &FTOUT
-OOPS &SPACE 2
&TYPE DO YOU WANT TO DO THIS AGAIN ? ( YES|NO OR NEWLINK ).
&READ VARS &ANS
&IF &ANS NE YES &IF &ANS NE NO &IF &ANS NE NEWLINK &GOTO -OOPS
&IF &ANS EQ NEWLINK &GOTO -START
&IF &ANS EQ YES &GOTO -DOAGAIN
&GOTO -CLEANUP
***ERROR MESSAGES***
-ERR01 &TYPE CHECK SPELLING OF USERID, &ID1 IS WRONG.
&GOTO -START
-ERR02 &TYPE CHECK SPELLING OF USERID, &ID2 IS WRONG.
&GOTO -LINK2
-ERR03 &TYPE FILE &FNAME1 &FTYPE1 DOES NOT LIVE AT &ID1
&GOTO -CLEANUP
-ERR04 &TYPE FILE &FNAME2 &INTYPE DOES NOT LIVE AT &ID2
-CLEANUP &CONTINUE
REL E (DET

```

REL F (DET
-STOP &BEGTYPE
PROGRAM TERMINATED...
&END
&EXIT

Attachment 2e to Appendix J
Sample Input to Interface Program
From ACOL Model

DATE OF RUN: 12/22/83 19:11:33 BASE YEAR: SEVEN YEAR AVG.
 ENLISTED MEN 10 * * AGGREGATE * *

ACOL OUTPUT
 SERVICE: ARMY
 CURRENT
 USARTO ACOL

| LOS | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 000165;ENLOSS=-.00;INC COLA=Y | LOSS | RETN | CONT |
|---------|----|----|--------|--------|--------|-------|-------|-------|------|-------------------------------|--------|-------|-------|
| 1 | 0 | 0 | 135219 | 0 | 0 | 0 | 0 | 0 | 0 | 135219 | 22538 | .167 | 1.000 |
| 2 | 0 | 0 | 66106 | 46575 | 0 | 0 | 0 | 0 | 0 | 112681 | 18616 | .165 | .833 |
| 3 | 0 | 0 | 20642 | 68831 | 4592 | 0 | 0 | 0 | 0 | 94065 | 45279 | .481 | .696 |
| 4 | 0 | 0 | 5438 | 27092 | 16255 | 0 | 0 | 0 | 0 | 48786 | 13945 | .286 | .361 |
| 5 | 0 | 0 | 0 | 12475 | 22365 | 0 | 0 | 0 | 0 | 34840 | 4151 | .119 | .258 |
| 6 | 0 | 0 | 0 | 5812 | 24146 | 732 | 0 | 0 | 0 | 30689 | 5007 | .163 | .227 |
| 7 | 0 | 0 | 0 | 3667 | 19860 | 2156 | 0 | 0 | 0 | 25683 | 4140 | .161 | .190 |
| 8 | 0 | 0 | 0 | 1610 | 12351 | 6806 | 53 | 0 | 0 | 21542 | 3238 | .150 | .135 |
| 9 | 0 | 0 | 0 | 1273 | 6179 | 10445 | 71 | 0 | 0 | 18305 | 2090 | .114 | .120 |
| 10 | 0 | 0 | 0 | 0 | 2613 | 11114 | 209 | 0 | 0 | 16215 | 1401 | .086 | .110 |
| 11 | 0 | 0 | 0 | 0 | 11745 | 455 | 455 | 0 | 0 | 13714 | 921 | .067 | .101 |
| 12 | 0 | 0 | 0 | 0 | 2004 | 9656 | 2018 | 36 | 0 | 12793 | 679 | .053 | .095 |
| 13 | 0 | 0 | 0 | 0 | 1625 | 7655 | 3457 | 56 | 0 | 12115 | 485 | .040 | .090 |
| 14 | 0 | 0 | 0 | 0 | 1303 | 4990 | 5733 | 88 | 0 | 11629 | 372 | .032 | .086 |
| 15 | 0 | 0 | 0 | 0 | 1165 | 3716 | 6593 | 156 | 0 | 11258 | 266 | .024 | .083 |
| 16 | 0 | 0 | 0 | 0 | 1093 | 2866 | 6981 | 318 | 0 | 10991 | 163 | .015 | .081 |
| 17 | 0 | 0 | 0 | 0 | 1041 | 2380 | 6889 | 669 | 12 | 10829 | 100 | .009 | .080 |
| 18 | 0 | 0 | 0 | 0 | 1013 | 2180 | 6418 | 1201 | 16 | 10729 | 113 | .011 | .079 |
| 19 | 0 | 0 | 0 | 0 | 996 | 2105 | 5322 | 2279 | 27 | 10616 | 4761 | .448 | .079 |
| 20 | 0 | 0 | 0 | 0 | 969 | 2042 | 4469 | 3086 | 50 | 5855 | 2104 | .359 | .043 |
| 21 | 0 | 0 | 0 | 0 | 527 | 1072 | 1625 | 2547 | 84 | 3750 | 1028 | .274 | .028 |
| 22 | 0 | 0 | 0 | 0 | 0 | 706 | 622 | 2251 | 171 | 2723 | 678 | .249 | .020 |
| 23 | 0 | 0 | 0 | 0 | 0 | 494 | 361 | 1553 | 314 | 2044 | 469 | .230 | .015 |
| 24 | 0 | 0 | 0 | 0 | 0 | 0 | 276 | 1050 | 718 | 1575 | 271 | .172 | .012 |
| 25 | 0 | 0 | 0 | 0 | 0 | 0 | 182 | 583 | 810 | 1304 | 327 | .251 | .010 |
| 26 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 386 | 777 | 977 | 309 | .316 | .007 |
| 27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 243 | 734 | 668 | 155 | .232 | .005 |
| 28 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 123 | 545 | 513 | 143 | .279 | .004 |
| 29 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 81 | 432 | 370 | 310 | .839 | .003 |
| 30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 58 | 311 | 59 | 50 | .839 | .000 |
| 31 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 59 | 10 | 8 | .839 | .000 |
| 32 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 1 | .839 | .000 |
| 33 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | .839 | .000 |
| 34 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | .839 | .000 |
| 35 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.000 | .000 |
| TOTAL | 0 | 0 | 227405 | 159667 | 123715 | 82860 | 51878 | 16765 | 5073 | 677362 | 135219 | .292 | 5.009 |
| PERCENT | 0 | 0 | 34 | 25 | 18 | 12 | 8 | 2 | 1 | 100 | 0 | | |
| CEILING | 34 | 34 | 34 | 27 | 18 | 12 | 7 | 2 | 1 | 0 | 0 | | |

Attachment 3 to Appendix J
ACOL/GORGO Interface Programs

Attachment 3a(1) to Appendix J
LOSSE EXEC

```

//57
&CONTROL OFF NOMSG
&MODE = A
-AGAIN &CONTINUE
&NMNR = 0
&FLAG = 0
*TYPE FILENAME AND FILETYPE PASSED FROM DODLINK EXEC...
&FNAME = &1
&FTYPE = &2
&DMDCTYP = &3
&SPACE 2
** BUILD FORCE GRADE TABLE FILE NAME **
-RUNDOD &CONTINUE
&SERVICE = &SUBSTR &FNAME 1 1
&FORCE = &SUBSTR &FNAME 2 1
&CMPNT = &SUBSTR &FNAME 3 1
&OCCODE = &SUBSTR &FNAME 4 2
&TAIL = &SUBSTR &FNAME 6 3
&RECS = 685
&REC = &RECS - 1
&IF &SERVICE EQ D &IF &OCCODE EQ 04 &GOTO -DOD
&NMNR = &OCCODE
&IF &SERVICE EQ D &IF &OCCODE EQ 01 &GOTO -AGGREGATE
-GETOCCGRP &CONTINUE
&LOOP 1 &DOLOOP
&START = &START + &RECS
*-----EXTRACT OCC GROUP DATA FROM SPECIFIED SERVICE FORMAT 3-----
COPY &FNAME &FTYPE &MODE TEMPRY DATAFILE A (FR &START FOR &RECS
-RUNIT &CONTINUE
&FNAME1 = &CONCAT &SERVICE &FORCE &CMPNT LRATE
FILEDEF 04 DISK DMDCRATE &DMDCTYP A (LRECL 80 RECFM FB BLKSIZE 8000 DISP MOD
FILEDEF 10 DISK TEMPRY DATAFILE A
LOSSNODE
ERASE TEMPRY DATAFILE A
*TYPE FILE &FNAME1 &FTYPE HAS BEEN WRITTEN TO FILE DMDCRATE &DMDCTYP
&IF &FLAG EQ 1 &GOTO -DONE
&IF &NMNR LT &OCCODE &GOTO -DOD
&SPACE 2
&FNAME = &CONCAT D &FORCE &CMPNT 01 &TAIL
*TYPE DONE WITH THE &NMNR SERVICES, GETTING &FNAME &FTYPE FILE.
&FLAG = 1
&GOTO -RUNDOD
-AGGREGATE &CONTINUE
COPYFILE &FNAME &FTYPE &MODE TEMPRY DATAFILE A
&GOTO -RUNIT
-DOD &CONTINUE
&NMNR = &NMNR + 1
&DOLOOP = &NMNR
&IF &DOLOOP = 1 &SERVICE = A
&IF &DOLOOP = 2 &SERVICE = N
&IF &DOLOOP = 3 &SERVICE = M
&IF &DOLOOP = 4 &SERVICE = F
&START = -&REC
&GOTO -GETOCCGRP
-DONE &EXIT

```


Attachment 3a(2) to Appendix J
LOSSO EXEC

11/57

* THE EXECS DODLINK AND LOSSO REQUIRE ACCESS TO THE FOLLOWING FILES *
* TO MAKE THE YEAR OF SERVICE CONVERSION. THE FILE DEFINITIONS *
* PRESENTLY SPECIFY THAT THE RESIDE ON THE USER'S A-DISK BUT THIS *
* CAN BE CHANGED AS REQUIRED. *
*

* DMDCCARMY COMRATE A (LRECL 245 *
* DMDCCNAVY COMRATE A (LRECL 245 *
* DMDCCUSMC COMRATE A (LRECL 245 *
* DMDCCUSAF COMRATE A (LRECL 245 *
* DMDCCDOD COMRATE A (LRECL 245 *

&CONTROL OFF NOMSG

&MODE = A

-AGAIN &CONTINUE

&NMNR = 0

&FLAG = 0

*** FILENAME AND FILETYPE PASSED FROM DODLINK EXEC ***

&FNAME = &1

&FTYPE = &2

&DMDCTYP = &3

-RUNDOD &CONTINUE

*** BUILD FORCE GRADE TABLE FILE NAME ***

&SERVICE = &SUBSTR &FNAME 1 1

&FORCE = &SUBSTR &FNAME 2 1

&CMPNT = &SUBSTR &FNAME 3 1

&OCCODE = &SUBSTR &FNAME 4 2

&TAIL = &SUBSTR &FNAME 6 3

&IF &SERVICE EQ A &SRVFILE = 1

&IF &SERVICE EQ N &SRVFILE = 2

&IF &SERVICE EQ M &SRVFILE = 3

&IF &SERVICE EQ F &SRVFILE = 4

&IF &SERVICE EQ D &SRVFILE = 5

&RECS = 457

&REC = &RECS - 1

&IF &SRVFILE EQ 5 &IF &OCCODE EQ 04 &GOTO -DOD

&NMNR = &OCCODE

&IF &SRVFILE EQ 5 &IF &OCCODE EQ 01 &GOTO -AGGREGATE

*-----EXTRACT OCC GROUP DATA FROM SPECIFIED SERVICE FORMAT 3-----

-GETOCCGRP &CONTINUE

&LOOP 1 &DOLOOP

&START = &START + &RECS

COPY &FNAME &FTYPE &MODE TEMPRY DATAFILE A (PR &START FOR &RECS

-RUNIT &CONTINUE

&FNAME1 = &CONCAT &SERVICE &FORCE &CMPNT LRATE

FILEDEF 04 DISK DMDCCRATE &DMDCTYP A (LRECL 80 RECFM FB BLKSIZE 8000 DISP MOD

FILEDEF 05 TERMINAL

FILEDEF 06 TERMINAL

FILEDEF 10 DISK TEMPRY DATAFILE A

FILEDEF 31 DISK DMDCCARMY COMRATE A (RECFM FB LRECL 245 BLKSIZE 2450

FILEDEF 32 DISK DMDCCNAVY COMRATE A (RECFM FB LRECL 245 BLKSIZE 2450

J-111

```

FILEDEF 33 DISK DMDCUSMC COMRATE A (RECFM FB LRECL 245 BLKSIZE 2450
FILEDEF 34 DISK DMDCUSAF COMRATE A (RECFM FB LRECL 245 BLKSIZE 2450
FILEDEF 35 DISK DMDCDOD COMRATE A (RECFM FB LRECL 245 BLKSIZE 2450
*****
&STACK &SRVFILE
LOSSMODE
ERASE TEMPRY DATAFILE A
&TYPE FILE &FNAME1 &FTYPE HAS BEEN WRITTEN TO FILE DMDCRATE &DMDCTYP
&IF &FLAG EQ 1 &GOTO -DONE
&IF &NMBR LT &OCCODE &GOTO -DOD
&SPACE 2
&FNAME = &CONCAT D &FORCE &CMPNT 01 &TAIL
&TYPE DONE WITH THE &NMBR SERVICES, GETTING &FNAME &FTYPE FILE.
&FLAG = 1
&GOTO -RUNDOD
-AGGREGATE &CONTINUE
COPYFILE &FNAME &FTYPE &MODE TEMPRY DATAFILE A
&GOTO -RUNIT
-DOD &CONTINUE
&NMBR = &NMBR + 1
&DOLOOP = &NMBR
&IF &DOLOOP = 1 &SERVICE = A
&IF &DOLOOP = 2 &SERVICE = N
&IF &DOLOOP = 3 &SERVICE = M
&IF &DOLOOP = 4 &SERVICE = F
&START = -&REC
&GOTO -GETOCCGRP
-DONE &EXIT

```

Attachment 3b(1) to Appendix J
AGGREGATE Program Listing

J-113

18/30/02

DATE = 85004

MAIN

RELEASE 2.0

FORTRAM IV G1

```

C*****
C** CREATE AGGREGATE FORMAT 3 **
C
C PROGRAM TO READ FORMAT 3 DATA BY OCCGRP, CONVERT THE LOSS RATES
C INTO STRENGTHS, ADD THE STRENGTHS BY GRADE FOR EACH OCCGRP, AND
C THEN COMPUTE AN AGGREGATE FORMAT 3 LOSS RATE TABLE BY GRADE.
C
C I = LENGTH OF SERVICE
C J = FORMAT 3 COLUMN NUMBER
C K = PAY GRADE
C L = OCCUPATIONAL GROUP
C
C *NOTE:
C THIS VERSION HAS BEEN MODIFIED TO BE RUN WITH THE JOELINK EXEC
C WHICH INVOKES THE AGGMOD1 MODULE.
C
C VERSION: 1.1 BY: R. SCHREIBER DATE: 19SEP83
C*****
C
C INTEGER OCCODE,OCCGRP,OUTPUT
C DIMENSION FILE(35,18,9),SUM(35,18,9)
C DIMENSION TITLE1(65),TITLE2(65),LABEL1(130),LABEL2(189),T1(8)
C DATA SUM/5670*0.0/
C KOUNT = 0
C INFILE = 20
C OUTPUT = 22
C
C----- READ TITLE FROM THE TERMINAL
C
C1005 READ(5,1005) T1
C FORMAT(8A1)
C
C----- READ NUMBER OF OCCUPATIONAL GROUPS, GRADES FROM TERM'L STACK-----
C
C READ (5,*) OCCODE,NGRADE
C DO 400 L = 1,OCCODE
C READ (INFILE,1050) TITLE1
C KOUNT = KOUNT + 1
C
C-----READ THE DATA FROM THE FILE, PROCESS A GRADE AT A TIME-----
C
C DO 300 K = 1,NGRADE
C READ (INFILE,1050) TITLE2
C READ (INFILE,3000) LABEL1
C KOUNT = KOUNT + 3
C DO 100 I = 1,35
C READ (INFILE,1100) (FILE(I,J,K), J = 1,9)
C KOUNT = KOUNT + 1
C DO 75 J = 1,6
C IF(J.EQ.5) GO TO 75
C SUM(I,J,K) = SUM(I,J,K) + FILE(I,J,K)
C75 CONTINUE
C DO 85 J = 5,9

```

0001
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0018
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0024
0025

```

0026      IF(J.EQ.6) GO TO 85
0027      SUM(I,J,K) = SUM(I,J,K) + (FILE(I,J,K) * FILE(I,I,K))
0028      CONTINUE
0029      READ (INFILE,3100) LABEL2
0030      KOUNT = KOUNT + 3
0031      DO 200 I = 1,35
0032      READ (INFILE,1200) (FILE(I,J,K),J = 10,18)
0033      KOUNT = KOUNT + 1
0034      DO 150 J = 10,18
0035      SUM(I,J,K) = SUM(I,J,K) + (FILE(I,J,K) * FILE(I,I,K))
0036      CONTINUE
0037      CONTINUE
0038      CONTINUE
0039      CONTINUE
0040      CONTINUE
0041      C----- CREATE NEW FORMAT 3 LOSS RATE TABLE (LOSS STREN / LOS MANIPWR)
0042      C
0043      DO 500 K = 1,NGRADE
0044      DO 475 I = 1,35
0045      IF(J.EQ.5) GO TO 425
0046      FILE(I,J,K) = SUM(I,J,K)
0047      CONTINUE
0048      DO 450 J = 5,18
0049      IF((J.EQ.6).OR.(SUM(I,I,K).LT.1.0)) GO TO 450
0050      FILE(I,J,K) = SUM(I,J,K) / SUM(I,I,K)
0051      CONTINUE
0052      CONTINUE
0053      C----- WRITE THE NEW FORMAT 3 TO DISK -----
0054      C
0055      WRITE(OUTPUT,1006) T1,(TITLE1(N),N = 9,26)
0056      DO 600 K = 1,NGRADE
0057      WRITE(OUTPUT,2000) T1,(TITLE1(N),N = 9,26),K
0058      WRITE(OUTPUT,3000) (LABEL1(N),N = 1,65)
0059      WRITE(OUTPUT,3000) (LABEL1(N),N = 66,130)
0060      DO 550 I = 1,35
0061      WRITE(OUTPUT,2100) 1,(FILE(I,J,K),J = 1,9)
0062      CONTINUE
0063      WRITE(OUTPUT,3100) (LABEL2(N),N = 1,63)
0064      WRITE(OUTPUT,3100) (LABEL2(N),N = 64,126)
0065      WRITE(OUTPUT,3100) (LABEL2(N),N = 127,189)
0066      DO 575 I = 1,35
0067      WRITE(OUTPUT,2200) 1,(FILE(I,J,K),J = 10,18)
0068      CONTINUE
0069      CONTINUE

```

```

0068 C CALL D1SPCL
0069 C WRITE(5,5000) KOUNT
0070 C
0071 C----- READ FORMAT STATEMENTS -----
      1006 FORMAT(8A1,2X,18A1)
      1050 FORMAT(65A1)
      1100 FORMAT(2X,4F7.0,F7.4,F7.0,3F7.4)
      1200 FORMAT(2X,9F7.4)
      C
      C----- WRITE FORMAT STATEMENTS -----
      2000 FORMAT(8A1,2X,18A1,' PAY GRADE ',I1)
      2100 FORMAT(12,4F7.0,F7.4,F7.0,3F7.4)
      2200 FORMAT(12,9F7.4)
      3000 FORMAT(65A1)
      3100 FORMAT(2X,62A1)
      5000 FORMAT(1X,16,' RECORDS HAVE BEEN READ. ')
      999 STOP
      END
      AGG00970
      AGG00980
      AGG00990
      AGG01000
      AGG01010
      AGG01020
      AGG01030
      AGG01040
      AGG01050
      AGG01060
      AGG01070
      AGG01080
      AGG01090
      AGG01100
      AGG01110
      AGG01120
      AGG01130
      AGG01140
      AGG01150
      AGG01160

```

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| SYMBOL | LOCATION | SYMBOL | LOCATION | SYMBOL | LOCATION | SYMBOL | LOCATION |
|--------|----------|------------------------------|----------|--------|----------|--------|----------|
| 1BCOM# | 12C | SUBPROGRAMS CALLED
LDF10# | 130 | | | | |
| SYMBOL | LOCATION | SYMBOL | LOCATION | SYMBOL | LOCATION | SYMBOL | LOCATION |
| KOUNT | 134 | SCALAR MAP | | | | | |
| L | 148 | INFILE | 138 | SYMBOL | 140 | SYMBOL | 144 |
| | | K | 14C | OUTPUT | 154 | NGRADE | 156 |
| | | | | J | | N | |
| SYMBOL | LOCATION | ARRAY MAP | | | | | |
| FILE | 15C | SYMBOL | 59F4 | SYMBOL | B390 | SYMBOL | B490 |
| LABEL2 | B69C | T1 | B990 | TITLE1 | | LABEL1 | |
| | | | | | | | |
| SYMBOL | LOCATION | FORMAT STATEMENT MAP | | | | | |
| 1005 | B9B0 | SYMBOL | 1050 | SYMBOL | B9CC | SYMBOL | B9E0 |
| 2000 | B9E9 | 1006 | 2200 | B9C6 | BA22 | 1200 | BA28 |
| 5000 | BA30 | 2100 | | BA19 | | 3100 | |
| | | BA05 | | | | | |

18/30/02

DATE = 84004

MAIN

FORTAN IV G1 RELEASE 2.0

| LOCATION | STA NUM | LABEL | STATEMENT | LABEL MAP | LOCATION | STA NUM | LABEL | LOCATION | STA NUM | LABEL |
|----------|---------|-------|-----------|-----------|----------|---------|-------|----------|---------|-------|
| 00880C | 5 | | | 008B18 | 6 | | | 008B20 | 7 | |
| 008828 | 8 | | | 008B48 | 10 | | | 008B6C | 11 | |
| 008874 | 12 | | | 008B94 | 12 | | | 008BA4 | 14 | |
| 00888C | 15 | | | 008BDC | 16 | | | 008BFC | 17 | |
| 008C0C | 18 | | | 008C1C | 19 | | | 008C6C | 20 | |
| 008C7C | 21 | | | 008C8A | 22 | | | 008C9C | 23 | |
| 008CA8 | 24 | | | 008CC4 | 25 | | | 008CD6 | 26 | |
| 008CE8 | 27 | | | 008CF8 | 28 | | | 008D14 | 29 | 100 |
| 008D34 | 30 | | | 008D54 | 31 | | | 008D64 | 32 | |
| 008D74 | 33 | | | 008D24 | 34 | | | 008DD4 | 35 | |
| 008DE2 | 36 | | | 008DF2 | 37 | | | 008E0E | 38 | 200 |
| 008E2E | 39 | | | 008E5E | 40 | | | 008E72 | 41 | |
| 008E86 | 42 | | | 008E9A | 43 | | | 008EAC | 44 | |
| 008EBE | 45 | | | 008EC6 | 46 | | | 008EE2 | 47 | |
| 008EF4 | 48 | | | 008F2A | 49 | | | 008F36 | 50 | 450 |
| 008F52 | 51 | | | 008F6E | 52 | | | 008F92 | 53 | |
| 008FEC | 54 | | | 008FEC | 55 | | | 00C05C | 56 | |
| 00C0A4 | 57 | | | 00C0EC | 58 | | | 00C0FA | 59 | |
| 00C154 | 60 | | | 00C170 | 61 | | | 00C1B8 | 62 | |
| 00C200 | 63 | | | 00C248 | 64 | | | 00C256 | 65 | |
| 00C2B0 | 66 | | | 00C2CC | 67 | | | 00C2E8 | 78 | 999 |

OPTIONS IN EFFECT TERM,NOID,EBCDIC, SOURCE,NOLIST,MODECK,LOAD,MAP,NOTEST

OPTIONS IN EFFECT NAME = MAIN , LINECNT = 50

STATISTICS SOURCE STATEMENTS = 79, PROGRAM SIZE = 49910

STATISTICS NO DIAGNOSTICS GENERATED

Attachment 3b(2) to Appendix J
LOSSENL Program Listing

```

0001 C-----PROGRAM TO PRODUCE AN ARRAY OF LOSS CATEGORIES BY YOS.
0002 C SUBROUTINE READ3 READS IN THE FORMAT THREE LOSS RATES.
0003 C SUBROUTINE LOSSCAT FORMS THE LOSS ARRAY.
0004 C SUBROUTINE DECRMT COMPUTES THE FORCE DECREMENT TABLE
0005 C-----
0006 DIMENSION TITLE1(65)
0007 INTEGER LOSSCAT(36,12), NEWMPR(35,18,10)
0008 REAL FILE(35,18,10)
0009 COMMON /A/ FILE, TITLE1
0010 COMMON /B/ LOSSCAT
0011 COMMON /C/ NEWMPR
0012 C----- CALL TO THE SUBROUTINES
0013 CALL READ3(LAST)
0014 CALL CONVRT(LAST)
0015 WRITE(04,2030) TITLE1
0016 FORMAT(65A1,/, 'FORCE DECREMENT TABLE')
0017 CALL DECRMT
0018 C----- WRITE FORCE GRADE TABLE
0019 WRITE(04,2040) TITLE1
0020 DO 300 I = 1,35
0021 WRITE(04,2041) I, (NEWMPR(I,1,K),K = 1,9)
0022 300 CONTINUE
0023 2040 FORMAT(65A1,/, 'FORCE GRADE TABLE')
0024 2041 FORMAT(13,9I7)
0025 STOP
0026 END
0027

```

| FORTRAN IV G1 RELEASE 2.0 | | MAIN | | DATE = 84004 | | 18/27/48 | | PAGE 0002 | |
|---------------------------|----------------|--------------------|--|--|---------------------------|--------------------------|--------------------|--------------------|--------------------|
| SYMBOL
FILE | LOCATION
0 | SYMBOL
TITLE1 | COMMON BLOCK /A
LOCATION
6270 | SYMBOL
/ MAP SIZE
LOCATION
6374 | SYMBOL
LOCATION | SYMBOL
LOCATION | SYMBOL
LOCATION | SYMBOL
LOCATION | SYMBOL
LOCATION |
| SYMBOL
LOSCAT | LOCATION
0 | SYMBOL
LOCATION | COMMON BLOCK /B
LOCATION | SYMBOL
/ MAP SIZE
LOCATION
6C0 | SYMBOL
LOCATION | SYMBOL
LOCATION | SYMBOL
LOCATION | SYMBOL
LOCATION | SYMBOL
LOCATION |
| SYMBOL
NEWMPR | LOCATION
0 | SYMBOL
LOCATION | COMMON BLOCK /C
LOCATION | SYMBOL
/ MAP SIZE
LOCATION
6270 | SYMBOL
LOCATION | SYMBOL
LOCATION | SYMBOL
LOCATION | SYMBOL
LOCATION | SYMBOL
LOCATION |
| SYMBOL
READF3 | LOCATION
A8 | SYMBOL
CONVRT | SUBPROGRAMS CALLED
LOCATION
AC | SYMBOL
LOCATION
IBCOM# | SYMBOL
LOCATION
B0 | SYMBOL
LOCATION
B4 | SYMBOL
LOCATION | SYMBOL
LOCATION | SYMBOL
LOCATION |
| SYMBOL
LAST | LOCATION
C0 | SYMBOL
I | SCALAR MAP
LOCATION
C4 | SYMBOL
K | SYMBOL
LOCATION
C8 | SYMBOL
LOCATION | SYMBOL
LOCATION | SYMBOL
LOCATION | SYMBOL
LOCATION |
| SYMBOL
2030 | LOCATION
CC | SYMBOL
2040 | FORMAT STATEMENT MAP
LOCATION
EA | SYMBOL
2041 | SYMBOL
LOCATION
104 | SYMBOL
LOCATION | SYMBOL
LOCATION | SYMBOL
LOCATION | SYMBOL
LOCATION |

| LOCATION | STA NUM | LABEL | STATEMENT | LABEL MAP | LOCATION | STA NUM | LABEL | LOCATION | STA NUM | LABEL |
|----------|---------|-------|-----------|-----------|----------|---------|-------|----------|---------|-------|
| 000178 | 7 | | | 000182 | 8 | | | 00018C | 9 | |
| 0001AC | 11 | | | 000186 | 12 | | | 0001D8 | 13 | |
| 0001E4 | 14 | | | 000234 | 15 | 300 | | 00024C | 18 | |

OPTIONS IN EFFECT TERM, NOID, EBCDIC, SOURCE, NOLIST, NOCHECK, LOAD, MAP, NOTEST

OPTIONS IN EFFECT NAME = MAIN , LINECNT = 50

STATISTICS SOURCE STATEMENTS = 19, PROGRAM SIZE = 602

STATISTICS NO DIAGNOSTICS GENERATED

```

0001 C----- END OF THE MAIN PROGRAM
0002 C----- SUBROUTINE READF3 READS THE FORMAT THREE DATA FILE
0003 C----- SUBROUTINE READF3 READS THE FORMAT THREE DATA FILE
0004 C----- SUBROUTINE READF3 READS THE FORMAT THREE DATA FILE
0005 C----- SUBROUTINE READF3 READS THE FORMAT THREE DATA FILE
0006 C----- SUBROUTINE READF3 READS THE FORMAT THREE DATA FILE
0007 C----- SUBROUTINE READF3 READS THE FORMAT THREE DATA FILE
0008 DIMENSION TITLE1(65),TITLE2(65),LABEL1(130),LABEL2(189)
0009 INTEGER MEMPR(35,18,10)
0010 REAL FILE(35,18,10)
0011 COMMON /A/ FILE,TITLE1
0012 COMMON /C/ MEMPR
0013 INFILE = 10
0014 READ THE DATA FROM DDNAME 10
0015 READ(INFILE,1050,ERR=305) TITLE1
0016 DO 300 K = 1,10
0017 READ(INFILE,1050,END=310) TITLE2
0018 READ(INFILE,1050) LABEL1
0019 DO 100 I = 1,35
0020 READ(INFILE,1100) (FILE(I,J,K),J = 1,9)
0021 100 CONTINUE
0022 READ(INFILE,1055) LABEL2
0023 DO 200 I = 1,35
0024 READ(INFILE,1200) (FILE(I,J,K),J = 10,18)
0025 200 CONTINUE
0026 C----- END OF FILE READ ROUTINE
0027 305 WRITE(6,2000)
0028 GO TO 9999
0029 310 LAST = K-1
0030 C----- WRITE(6,2010) LAST
0031 CREATE FILE ARRAY OF LOSS STRENGTHS
0032 DO 400 K = 1,LAST
0033 DO 400 I = 1,35
0034 MEMPR(I,1,K) = INT(FILE(I,1,K))
0035 MEMPR(I,7,K) = INT(FILE(I,7,K) * FILE(I,7,K) + 0.5)
0036 DO 400 J = 10,18
0037 MEMPR(I,J,K) = INT((FILE(I,1,K) * FILE(I,J,K)) + 0.5)
0038 400 CONTINUE
0039 9999 RETURN
0040 C----- READ/WRITE FORMAT STATEMENTS
0041 1050 FORMAT(65A1)
0042 1055 FORMAT(2X,63A1)
0043 1100 FORMAT(2X,4F7.0,F7.4,F7.0,3F7.4)
0044 1200 FORMAT(2X,9F7.4)
0045 2000 FORMAT(' DATA NOT READ, EXECUTION TERMINATED.' )
0046 2010 FORMAT(' DATA HAS BEEN READ FOR 1,12,1 GRADES.' )
0047 END

```

LOS00280
 LOS00290
 LOS00300
 LOS00310
 LOS00320
 LOS00330
 LOS00340
 LOS00350
 LOS00360
 LOS00370
 LOS00380
 LOS00390
 LOS00400
 LOS00410
 LOS00420
 LOS00430
 LOS00440
 LOS00450
 LOS00460
 LOS00470
 LOS00480
 LOS00490
 LOS00500
 LOS00510
 LOS00520
 LOS00530
 LOS00540
 LOS00550
 LOS00560
 LOS00570
 LOS00580
 LOS00590
 LOS00600
 LOS00610
 LOS00620
 LOS00630
 LOS00640
 LOS00650
 LOS00660
 LOS00670
 LOS00680
 LOS00690
 LOS00700
 LOS00710
 LOS00720
 LOS00730

| FORTRAN IV G1 RELEASE 2.0 | | READF3 | DATE = 84004 | | 18/27/48 | PAGE 0002 |
|---------------------------|------------------------|------------------|---|--|-----------------------------------|-----------------------------------|
| SYMBOL
FILE | LOCATION
0 | SYMBOL
TITLE1 | COMMON BLOCK /A
LOCATION
6270 | SYMBOL
/ MAP SIZE
LOCATION
6374 | SYMBOL
LOCATION | SYMBOL
LOCATION |
| SYMBOL
NEWPR | LOCATION
0 | SYMBOL | COMMON BLOCK /C
LOCATION | SYMBOL
/ MAP SIZE
LOCATION
6270 | SYMBOL
LOCATION | SYMBOL
LOCATION |
| SYMBOL
IBCOM# | LOCATION
D4 | SYMBOL | SUBPROGRAMS CALLED
LOCATION | SYMBOL
LOCATION | SYMBOL
LOCATION | SYMBOL
LOCATION |
| SYMBOL
INFILE | LOCATION
E4 | SYMBOL
K | SCALAR MAP
LOCATION
E8 | SYMBOL
I
LOCATION
EC | SYMBOL
J
LOCATION
F0 | SYMBOL
LAST
LOCATION
F4 |
| SYMBOL
TITLE2 | LOCATION
F8 | SYMBOL
LABEL1 | ARRAY MAP
LOCATION
1FC | SYMBOL
LABEL2
LOCATION
404 | SYMBOL
LOCATION | SYMBOL
LOCATION |
| SYMBOL
1050
2010 | LOCATION
6F8
74C | SYMBOL
1055 | FORMAT STATEMENT MAP
LOCATION
6FE | SYMBOL
1100
LOCATION
706 | SYMBOL
1200
LOCATION
71A | SYMBOL
2000
LOCATION
723 |

| LOCATION | STA NUM | LABEL | STATEMENT | LABEL MAP | LOCATION | STA NUM | LABEL | LOCATION | STA NUM | LABEL |
|----------|---------|-------|-----------|-----------|----------|---------|-------|----------|---------|-------|
| 00081C | 1 | | | 00081C | 7 | | | 000824 | 8 | |
| 000848 | 9 | | | 000854 | 10 | | | 000878 | 11 | 100 |
| 000898 | 12 | | | 0008A2 | 13 | | | 0008EC | 14 | |
| 000904 | 15 | | | 000924 | 16 | | | 00092E | 17 | |
| 000978 | 18 | 200 | | 000990 | 19 | 300 | | 0009A8 | 20 | 305 |
| 0009BC | 21 | | | 0009C2 | 22 | 310 | | 0009CE | 23 | |
| 0009E6 | 24 | | | 0009F6 | 25 | | | 000A16 | 26 | |
| 000A40 | 27 | | | 000A4C | 28 | | | 000A76 | 29 | 400 |
| 000ADA | 30 | 9999 | | 000AE2 | 37 | | | | | |

OPTIONS IN EFFECT TERM, NOID, EBCDIC, SOURCE, NOLIST, NODECK, LOAD, MAP, NOTEST

OPTIONS IN EFFECT NAME = READF3, LINECNT = 50

STATISTICS SOURCE STATEMENTS = 37, PROGRAM SIZE = 2794

STATISTICS NO DIAGNOSTICS GENERATED

18/27/48

DATE = 84004

MAIN

RELEASE 2.0

FORTRAN IV G1

```

0001 C-----+LOS00740
0002 C SUBROUTINE CONVERTS THE LOSS RATE DATA OF THE +LOS00750
0003 C FORMAT THREE INTO LOSS STRENGTH BY CATEGORY OVER ALL GRADES. +LOS00760
0004 C-----+LOS00770
0005 C
0006 C-----+LOS00780
0007 C SUBROUTINE CONVERT(LAST)
0008 C INTEGER LOSCAT(36,12),NEWMPR(35,18,10)
0009 C COMMON /B/ LOSCAT
0010 C COMMON /C/ NEWMPR
0011 C-----+LOS00800
0012 C MOVE NDIS < 20 YOS TO 20 YOS
0013 C DO 100 K = 1, LAST
0014 C DO 100 J = 1, 19
0015 C NDIS = 0
0016 C DO 80 J = 12, 14
0017 C NDIS = NDIS + NEWMPR(I,J,K)
0018 C 80 CONTINUE
0019 C IF(NDIS .LT. 1) GO TO 100
0020 C NEWMPR(20,1,K) = NEWMPR(20,1,K) + NDIS
0021 C NEWMPR(1,1,K) = NEWMPR(1,1,K) - NDIS
0022 C DO 90 J = 12, 14
0023 C NEWMPR(20,J,K) = NEWMPR(20,J,K) + NEWMPR(1,J,K)
0024 C NEWMPR(1,J,K) = 0
0025 C 90 CONTINUE
0026 C 100 CONTINUE
0027 C-----+LOS00900
0028 C CONVERT RATES TO STRENGTHS
0029 C DO 200 K = 1, LAST
0030 C DO 200 I = 1, 35
0031 C DO 150 J = 3, 11
0032 C LOSCAT(I,J) = LOSCAT(I,J) + NEWMPR(I,J+7,K)
0033 C 150 CONTINUE
0034 C LOSCAT(I,1) = LOSCAT(I,1) + NEWMPR(I,1,K)
0035 C LOSCAT(I,2) = LOSCAT(I,2) + NEWMPR(I,7,K)
0036 C 200 CONTINUE
0037 C SUM LOSSES BY YOS
0038 C DO 300 I = 1, 35
0039 C DO 300 J = 2, 11
0040 C LOSCAT(I,12) = LOSCAT(I,12) + LOSCAT(I,J)
0041 C 300 CONTINUE
0042 C SUM LOSSES BY CATEGORY
0043 C DO 400 I = 1, 35
0044 C DO 400 J = 1, 12
0045 C LOSCAT(36,J) = LOSCAT(36,J) + LOSCAT(I,J)
0046 C 400 CONTINUE
0047 C RETURN
0048 C END
0049 C-----+LOS01000
0050 C
0051 C-----+LOS01010
0052 C
0053 C-----+LOS01020
0054 C
0055 C-----+LOS01030
0056 C
0057 C-----+LOS01040
0058 C
0059 C-----+LOS01050
0060 C
0061 C-----+LOS01060
0062 C
0063 C-----+LOS01070
0064 C
0065 C-----+LOS01080
0066 C
0067 C-----+LOS01090
0068 C
0069 C-----+LOS01100
0070 C
0071 C-----+LOS01110
0072 C
0073 C-----+LOS01120
0074 C
0075 C-----+LOS01130
0076 C
0077 C-----+LOS01140
0078 C
0079 C-----+LOS01150
0080 C
0081 C-----+LOS01160
0082 C
0083 C-----+LOS01170

```

| FORTR/M IV G1 RELEASE 2.0 | | CONVRT | | DATE = 84004 | | 18/27/48 | | PAGE 0002 | |
|---------------------------|----------------|---------------------------------------|----------------------------------|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| SYMBOL
LOSCAT | LOCATION
0 | COMMON BLOCK /B
SYMBOL
LOCATION | / MAP SIZE
SYMBOL
LOCATION | 6C0 | SYMBOL
LOCATION | SYMBOL
LOCATION | SYMBOL
LOCATION | SYMBOL
LOCATION | SYMBOL
LOCATION |
| SYMBOL
NEWMPR | LOCATION
0 | COMMON BLOCK /C
SYMBOL
LOCATION | / MAP SIZE
SYMBOL
LOCATION | 6270 | SYMBOL
LOCATION | SYMBOL
LOCATION | SYMBOL
LOCATION | SYMBOL
LOCATION | SYMBOL
LOCATION |
| SYMBOL
K | LOCATION
D0 | SCALAR MAP
SYMBOL
LAST | LOCATION
D4 | | SYMBOL
I | LOCATION
D8 | SYMBOL
NDIS | LOCATION
DC | SYMBOL
J
E0 |

| LOCATION | STA NUM | LABEL | STATEMENT | LOCATION | STA NUM | LABEL | LOCATION | STA NUM | LABEL |
|----------|---------|-------|-----------|----------|---------|-------|----------|---------|-------|
| 000194 | 1 | | | 000194 | 5 | | 0001A0 | 6 | |
| 0001AE | 7 | | | 0001B6 | 8 | | 0001C0 | 9 | |
| 0001CC | 10 | 80 | | 0001E4 | 11 | | 0001F2 | 12 | |
| 0001FE | 13 | | | 00020A | 14 | | 000214 | 15 | |
| 000220 | 16 | | | 000228 | 17 | 90 | 000240 | 18 | 100 |
| 000274 | 19 | | | 000284 | 20 | | 000294 | 21 | |
| 0002A0 | 22 | | | 0002AC | 23 | | 0002C8 | 24 | |
| 0002DC | 25 | | | 0002E8 | 26 | 150 | 000324 | 27 | |
| 000330 | 28 | | | 00033A | 29 | 200 | 000346 | 30 | |
| 000376 | 31 | | | 000386 | 32 | | 000390 | 33 | |
| 00039C | 34 | 400 | | 0003D0 | 35 | | | | |

OPTIONS IN EFFECT TERM, NOID, EBCDIC, SOURCE, NOLIST, NODECK, LOAD, MAP, NOTEST
 OPTIONS IN EFFECT NAME = CONVRT, LINECNT = 50
 STATISTICS SOURCE STATEMENTS = 36, PROGRAM SIZE = 984
 STATISTICS NO DIAGNOSTICS GENERATED

18/27/46

DATE = 84004

MAIN

FORTRAN IV G1 RELEASE 2.0

```

0001      C----- SUBROUTINE DECRMT COMPUTES THE FORCE DECREMENT RATES
0002      C-----
0003      C----- SUBROUTINE DECRMT
0004      C-----
0005      C-----
0006      C-----
0007      C-----
0008      C-----
0009      C-----
0010      C-----
0011      C-----
0012      C-----
0013      C-----
0014      C-----
0015      C-----
0016      C-----
0017      C-----
0018      C-----
0019      C-----
0020      C-----
0021      C-----
0022      C-----
0023      C-----
0024      C-----
0025      C-----
0026      C-----
0027      C-----

      SUBROUTINE DECRMT
      INTEGER LOSCAT(36,12), RNDIS(35), WDRWL(35)
      REAL RATE(35,6), DENOM(35)
      COMMON /B/ LOSCAT
      DATA RNDIS, WDRWL / 70 * C, DENOM / 35 * 0.0 /, RATE / 210 * 0.0 /
      C----- COMPUTE THE DECREMENT RATES
      DO 100 I = 1, 35
        IT(LOSCAT(I,1)) = 1, 35
        DO 10 J = 5, 7
          RNDIS(I) = RNDIS(I) + LOSCAT(I,J)
        10 CONTINUE
        DO 20 J = 9, 11
          WDRWL(I) = WDRWL(I) + LOSCAT(I,J)
        20 CONTINUE
        DENOM(I) = FLOAT(LOSCAT(I,1)) -
          + (FLOAT(RNDIS(I)) + WDRWL(I)) * 0.5)
        DO 30 J = 1, 3
          RATE(I,J) = FLOAT(LOSCAT(I,J+1)) / DENOM(I)
        30 CONTINUE
        RATE(I,4) = FLOAT(RNDIS(I)) / FLOAT(LOSCAT(I,1))
        RATE(I,5) = FLOAT(LOSCAT(I,8)) / DENOM(I)
        RATE(I,6) = FLOAT(WDRWL(I)) / FLOAT(LOSCAT(I,1))
        100 CONTINUE
      C----- WRITE OUT LOSSES AND DECREMENT RATES BY CATEGORY
      DO 200 I = 1, 35
        WRITE(04,1010) I, (RATE(I,J), J = 1,6)
      200 CONTINUE
      1010 FORMAT(13,6F7.4)
      RETURN
      END

```

| FORTRAN IV G1 RELEASE 2.0 | | DECRMT | DATE = 84J04 | 18/27/48 | PAGE 0002 |
|---------------------------|-----------------|---|-----------------------------|-----------------|-----------------|
| SYMBOL
LOSCAT | LOCATION
0 | COMMON BLOCK /B
SYMBOL LOCATION | MAP SIZE
SYMBOL LOCATION | LOCATION | SYMBOL LOCATION |
| SYMBOL
IBCOM# | LOCATION
B8 | SUBPROGRAMS CALLED
SYMBOL LOCATION | LOCATION | LOCATION | SYMBOL LOCATION |
| SYMBOL
I | LOCATION
DC | SCALAR MAP
SYMBOL LOCATION
EO | LOCATION | LOCATION | SYMBOL LOCATION |
| SYMBOL
RNDIS | LOCATION
E4 | ARRAY MAP
SYMBOL LOCATION
170 | LOCATION
1FC | LOCATION
544 | SYMBOL LOCATION |
| SYMBOL
1010 | LOCATION
5DU | FORMAT STATEMENT MAP
SYMBOL LOCATION | LOCATION | LOCATION | SYMBOL LOCATION |

| LOCATION | STA NUM | LABEL | STATEMENT | LABEL MAP | LOCATION | STA NUM | LABEL | LOCATION | STA NUM | LABEL |
|----------|---------|-------|-----------|-----------|----------|---------|-------|----------|---------|-------|
| 00066E | 1 | | | 00066E | 6 | | | 00067E | 7 | |
| 000690 | 8 | | | 00069A | 9 | | | 0006A6 | 10 | 10 |
| 0006BE | 11 | | | 0006C8 | 12 | | | 0006D4 | 13 | 20 |
| 0006FC | 14 | | | 000738 | 15 | | | 000744 | 16 | |
| 00068 | 17 | 30 | | 000784 | 18 | | | 0007C6 | 19 | |
| 0007EA | 20 | | | 00082C | 21 | 100 | | 000848 | 22 | |
| 000854 | 23 | | | 0008A4 | 24 | 200 | | 0008EC | 26 | |

OPTIONS IN EFFECT TERM, NOID, EBCDIC, SOURCE, NOLIST, NODECK, LOAD, MAP, NOTEST

OPTIONS IN EFFECT NAME = DECRHT LINECNT = 50

STATISTICS SOURCE STATEMENTS = 27, PROGRAM SIZE = 2244

STATISTICS NO DIAGNOSTICS GENERATED

```

0001 C-----+LOS01510
0002 C BLOCK DATA SUBROUTINE TO INITIALIZE ARRAYS +LOS01520
0003 C-----+LOS01530
0004 C BLOCK DATA
0005 COMMON /A/ FILE(35,18,10),TITLE1(65)
0006 COMMON /B/ LOSCAT(36,12)
0007 COMMON /C/ NENMPR(35,18,10)
0008 DATA FILE/6300*0.0/, LOSCAT/432*0/, NENMPR/6300*0/
0009 END
0010
0011
0012
0013
0014
0015
0016
0017
0018
0019
0020
0021
0022
0023
0024
0025
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0068
0069
0070
0071
0072
0073
0074
0075
0076
0077
0078
0079
0080
0081
0082
0083
0084
0085
0086
0087
0088
0089
0090
0091
0092
0093
0094
0095
0096
0097
0098
0099
0100
  
```

18/27/48

DATE = 84004

BLK DATA

FORTRAM IV G1 RELEASE 2.0

| SYMBOL
FILE | LOCATION
0 | COMMON BLOCK /A | | SYMBOL | LOCATION | SYMBOL | LOCATION |
|------------------|---------------|-----------------|------------------|--------|----------|--------|----------|
| | | SYMBOL
TITLE | LOCATION
6270 | | | | |
| SYMBOL
LOSCAT | 0 | SYMBOL | LOCATION | SYMBOL | LOCATION | SYMBOL | LOCATION |
| | | | | | | | |
| SYMBOL
NEWPR | 0 | SYMBOL | LOCATION | SYMBOL | LOCATION | SYMBOL | LOCATION |
| | | | | | | | |

OPTIONS 'IN EFFECT TERM, NOLD, EBCDIC, SOURCE, NOLIST, MODECK, LOAD, MAP, NOTEST
 OPTIONS IN EFFECT NAME = BLK DATA, LINECNT = 50
 STATISTICS NO DIAGNOSTICS GENERATED
 STATISTICS NO DIAGNOSTICS THIS STEP

Attachment 3b(3) to Appendix J
LOSSOFGR Program Listing

18/28/27

DATE = 24004

MAIN

FORTRAN IV G1 RELEASE 2.0

```

0001 C----- PROGRAM TO PRODUCE AN ARRAY OF LOSS CATEGORIES BY YOS.
0002 C SUBROUTINE READS IN THE FORMAT THREE LOSS RATES.
0003 C SUBROUTINE SHIFT CHANGES COMMISSIONED YOS TO TOTAL FEDERAL YOS
0004 C SUBROUTINE LOSSCAT FORMS THE LOSS ARRAY.
0005 C SUBROUTINE DECRMT FORMS THE FORCE DECREMENT TABLE
0006 C-----
0007 DIMENSION TITLE1(65)
0008 INTEGER LOSSCAT(36,12), IFILE(35,18,6), NEWMPR(35,18,9), ISUM(35), TSUM(35), TSUM1(35), TSUM2(35)
0009 REAL FILE(35,18,6)
0010 COMMON /A/ FILE, TITLE1
0011 COMMON /B/ LOSSCAT
0012 COMMON /C/ IFILE, NEWMPR
0013 DATA ISUM/35*0/
0014 C----- CALL TO THE SUBROUTINES
0015 CALL READF3(LAST)
0016 CALL SHIFT(LAST)
0017 CALL CONVRT(LAST)
0018 C----- BEGIN WRITING THE LOSS RATE FILE (REST WRITTEN IN DECRMT SUB)
0019 WRITE(04,2030) TITLE1
0020 FORMAT(65A1,/, 'FORCE DECREMENT TABLE')
0021 CALL DECRMT
0022 WRITE(04,2040) TITLE1
0023 DO 300 I = 1,35
0024 WRITE(04,2041) I, (NEWMPR(I,1,K), K = 1,9)
0025 CONTINUE
0026 2040 FORMAT(65A1,/, 'FORCE GRADE TABLE')
0027 2041 FORMAT(13,9I7)
0028 STOP
0029 C----- END OF THE MAIN PROGRAM
0030 END

```

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MAIN

FORTRAN IV G1 RELEASE 2.0

| | | | | | | | | |
|------------------|-----------------|------------------|---|--|---------------|----------|------------------|----------------|
| SYMBOL
FILE | LOCATION
0 | SYMBOL
TITLE1 | COMMON BLOCK /A
LOCATION
3B10 | SYMBOL
/ MAP SIZE
LOCATION
3C14 | SYMBOL | LOCATION | SYMBOL | LOCATION |
| SYMBOL
LOSCAT | LOCATION
0 | SYMBOL | COMMON BLOCK /B
LOCATION | SYMBOL
/ MAP SIZE
LOCATION
6C0 | SYMBOL | LOCATION | SYMBOL | LOCATION |
| SYMBOL
IFILE | LOCATION
0 | SYMBOL
MEMPR | COMMON BLOCK /C
LOCATION
3B10 | SYMBOL
/ MAP SIZE
LOCATION
93A8 | SYMBOL | LOCATION | SYMBOL | LOCATION |
| SYMBOL
READF3 | LOCATION
AC | SYMBOL
SHIFT | SUBPROGRAMS CALLED
LOCATION
B0 | SYMBOL
CONVRT | SYMBOL
B4 | LOCATION | SYMBOL
DECRMT | LOCATION
BC |
| SYMBOL
LAST | LOCATION
CC | SYMBOL
I | SCALAR MAP
LOCATION
D0 | SYMBOL
K | SYMBOL
D4 | LOCATION | SYMBOL | LOCATION |
| SYMBOL
ISUM | LOCATION
D8 | SYMBOL | ARRAY MAP
LOCATION | SYMBOL | SYMBOL | LOCATION | SYMBOL | LOCATION |
| SYMBOL
2030 | LOCATION
164 | SYMBOL
2040 | FORMAT STATEMENT MAP
LOCATION
182 | SYMBOL
2041 | SYMBOL
19C | LOCATION | SYMBOL | LOCATION |

| LOCATION | STA NUM | LABEL | STATEMENT | LABEL MAP | LOCATION | STA NUM | LABEL | LOCATION | STA NUM | LABEL |
|----------|---------|-------|-----------|-----------|----------|---------|-------|----------|---------|-------|
| 000210 | 8 | | | | 00021A | 9 | | 000224 | 10 | |
| 00022E | 11 | | | | 000250 | 13 | | 00025A | 14 | |
| 00027C | 15 | | | | 000288 | 16 | | 0002D8 | 17 | |
| 0002F0 | 20 | | | | | | | | | 300 |

OPTIONS IN EFFECT TERM, NOID, EBCDIC, SOURCE, NOLIST, NODECK, LOAD, MAP, NOTEST

OPTIONS IN EFFECT NAME = MAIN, LINECNT = 50

STATISTICS SOURCE STATEMENTS = 21, PROGRAM SIZE = 766

STATISTICS NO DIAGNOSTICS GENERATED

```

0001      SUBROUTINE READF3(LAST)
0002      DIMENSION TITLE(65),TITLE2(65),LABEL1(130),LABEL2(189)
0003      INTEGER IFILE(35,18,6),NEWPR(35,18,6)
0004      REAL FILE(35,18,6)
0005      COMMON /A/ FILE,TITLE1
0006      COMMON /C/ IFILE,NEWPR
0007      INFILE = 10
0008      READ THE DATA FROM DNAME 10
0009      READ(INFILE,1050,ERR=305) TITLE1
0010      DO 300 K = 1,10
0011      READ(INFILE,1050,END=310) TITLE2
0012      READ(INFILE,1050) LABEL1
0013      DO 100 I = 1,35
0014      READ(INFILE,1100) (FILE(I,J,K),J = 1,9)
0015      100 CONTINUE
0016      READ(INFILE,1055) LABEL2
0017      DO 200 I = 1,35
0018      READ(INFILE,1200) (FILE(I,J,K),J = 10,18)
0019      200 CONTINUE
0020      END OF FILE READ ROUTINE
0021      GO TO 9999
0022      310 LAST = K-1
0023      C WRITE(6,2010) LAST
0024      C-----
0025      C----- CREATE FILE ARRAY OF LOSS STRENGTHS
0026      DO 400 K = 1,LAST
0027      IFILE(I,1,K) = INT(FILE(I,1,K))
0028      IFILE(I,7,K) = INT(FILE(I,7,K) * FILE(I,7,K) + 0.5)
0029      DO 400 J = 10,18
0030      IFILE(I,J,K) = INT(FILE(I,1,K) * FILE(I,J,K) + 0.5)
0031      400 CONTINUE
0032      9999 RETURN
0033      C----- READ/WRITE FORMAT STATEMENTS
0034      1050 FORMAT(65A1)
0035      1055 FORMAT(2X,63A1)
0036      1100 FORMAT(2X,4F7.0,F7.4,F7.0,3F7.4)
0037      1200 FORMAT(2X,9F7.4)
0038      2000 FORMAT(' DATA NOT READ, EXECUTION TERMINATED.')
0039      2010 FORMAT(' DATA HAS BEEN READ FOR ',12,' GRADES.')
0040      END

```


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READF3

FORTRAN IV G1 RELEASE 2.0

| LOCATION | STA NUM | LABEL | STATEMENT | LABEL MAP | LOCATION | STA NUM | LABEL | LOCATION | STA NUM | LABEL |
|----------|---------|-------|-----------|-----------|----------|---------|-------|----------|---------|-------|
| 00081C | 1 | | | | 00081C | 7 | | 000824 | 8 | |
| 000846 | 9 | | | | 000854 | 10 | | 000878 | 11 | |
| 000898 | 12 | | | | 0008A2 | 13 | | 0008EC | 14 | 100 |
| 000904 | 15 | | | | 000924 | 16 | | 00092E | 17 | |
| 000978 | 18 | 200 | | | 000990 | 19 | 300 | 0009A8 | 20 | 305 |
| 0009BC | 21 | | | | 0009C2 | 22 | 310 | 0009CE | 23 | |
| 0009E6 | 24 | | | | 0009F6 | 25 | | 000A16 | 26 | |
| 000A40 | 27 | | | | 000A4C | 28 | | 000A76 | 29 | 400 |
| 000ADA | 30 | 9999 | | | 000AE2 | 37 | | | | |

OPTIONS IN EFFECT TERM, NO10, EBCDIC, SOURCE, NOLIST, NODECK, LOAD, MAP, NOTEST

OPTIONS IN EFFECT NAME = READF3, LINECNT = 50

STATISTICS SOURCE STATEMENTS = 37, PROGRAM SIZE = 2794

STATISTICS NO DIAGNOSTICS GENERATED

```

0001 C-----+LOS0780
0002 C SUBROUTINE SHIFT CHANGES COMMISSIONED YOS STRENGTH +LOS0790
0003 C TO TOTAL FEDERAL SERVICE YOS STRENGTH. +LOS0800
0004 C-----+LOS0810
0005 C
0006 C SUBROUTINE SHIFT(LAST)
0007 C INTEGER IFILE(35,18,6),NEWMPR(35,18,6)
0008 C REAL ARRAY(35,35,6)
0009 C COMMON /C/ IFILE,NEWMPR
0010 C DATA ARRAY/7350*0.0/
0011 C READ(05,*) IFILE
0012 C IFILE = IFILE + 30
0013 C-----
0014 C READ IN DATA ARRAY OF YOS RATES
0015 C DO 100 K = 1, LAST
0016 C DO 100 I = 1, 35
0017 C READ( IFILE, 101) (ARRAY(I,J,K), J = 1, 35)
0018 C
0019 C 100 CONTINUE
0020 C 101 FORMAT(35F7.4)
0021 C
0022 C-----
0023 C CREATE NEW STRENGTH BY TOTAL FEDERAL SERVICE
0024 C DO 200 K = 1, LAST
0025 C DO 200 I = 1, 35
0026 C DO 200 J = 1, 18
0027 C NEWMPR(I,J,K) = NEWMPR(I,J,K) +
0028 C INT((FLOAT(IFILE(I,J,K)) * ARRAY(I,I,K)) + 0.5)
0029 C
0030 C 200 CONTINUE
0031 C
0032 C-----
0033 C MOVE NDIS < 20 YOS TO 20 YOS
0034 C DO 300 K = 1, LAST
0035 C DO 300 I = 1, 19
0036 C NDIS = 0
0037 C DO 210 J = 12, 14
0038 C NDIS = NDIS + NEWMPR(I,J,K)
0039 C
0040 C 210 CONTINUE
0041 C IF(NDIS .LT. 1) GO TO 300
0042 C NEWMPR(20,1,K) = NEWMPR(20,1,K) + NDIS
0043 C NEWMPR(1,1,K) = NEWMPR(1,1,K) - NDIS
0044 C DO 220 J = 12, 14
0045 C NEWMPR(20,J,K) = NEWMPR(20,J,K) + NEWMPR(1,J,K)
0046 C NEWMPR(1,J,K) = 0
0047 C
0048 C 220 CONTINUE
0049 C 300 CONTINUE
0050 C RETURN
0051 C END

```


| SOURCE | LOCATION | SYMBOL | COMMON BLOCK /C
LOCATION | MAP SIZE
LOCATION | SYMBOL | LOCATION | SYMBOL | LOCATION |
|------------------|----------|-----------|------------------------------------|----------------------|--------|----------|--------|----------|
| SYMBOL
IFILE | 0 | NEWMPR | 3810 | 7620 | | | | |
| SYMBOL
IBCON# | 24 | LDFO# | | | | | | |
| SYMBOL
INFILE | E4
F8 | K
NDIS | SCALAR MAP
LOCATION
E8
FC | | | | | |
| SYMBOL
ARRAY | 100 | | ARRAY MAP
LOCATION | | | | | |
| SYMBOL
101 | 73DC | | FORMAT STATEMENT MAP
LOCATION | | | | | |

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SHIFT

FORTRAN IV G1 RELEASE 2.0

| LOCATION | STA | NUM | LABEL | STATEMENT | LABEL | MAP | LOCATION | STA | NUM | LABEL | LOCATION | STA | NUM | LABEL |
|----------|-----|-----|-------|-----------|-------|-----|----------|-----|-----|-------|----------|-----|-----|-------|
| 0074A8 | 1 | | | | | | 0074A8 | 6 | | | 0074CH | 7 | | |
| 007404 | 8 | | | | | | 0074E0 | 9 | | | 0074EE | 10 | | |
| 007540 | 11 | 100 | | | | | 007578 | 13 | | | 007594 | 14 | | |
| 007584 | 15 | | | | | | 0075C8 | 16 | | | 0075D6 | 17 | | |
| 007620 | 18 | 200 | | | | | 0076BC | 19 | | | 0076CC | 20 | | |
| 0076DE | 21 | | | | | | 0076EA | 22 | | | 0076F4 | 23 | | |
| 007700 | 24 | 210 | | | | | 00771C | 25 | | | 00772E | 26 | | |
| 00773A | 27 | | | | | | 007756 | 28 | | | 007750 | 29 | | |
| 00775C | 30 | | | | | | 007768 | 31 | | | 007780 | 32 | | |
| 00778C | 33 | | | | | | | | | | | | | 300 |

OPTIONS IN EFFECT TERM, NOID, EBCDIC, SOURCE, NOLIST, NODECK, LOAD, MAP, NOTEST
 OPTIONS IN EFFECT NAME = SHIFT , LINECNT = 50
 STATISTICS SOURCE STATEMENTS = 34, PROGRAM SIZE = 30660
 STATISTICS NO DIAGNOSTICS GENERATED

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DATE = 84004

MAIN

RELEASE 2.0

FORTRAN IV G1

```

C-----+LOS01210
C SUBROUTINE CONVERT CONVERTS THE LOSS RATE DATA OF THE -LOS01220
C FORMAT THREE INTO LOSS STRENGTH BY CATEGORY OVER ALL GRADES. +LOS01230
C-----+LOS01240
SUBROUTINE CONVERT(LAST)
  DIMENSION TITLE(65)
  INTEGER LOSCAT(36,12), IFILE(35,18,6), NEMMPR(35,18,6)
  REAL FILE(35,18,6)
  COMMON /A/ FILE, TITLE
  COMMON /B/ LOSCAT
  COMMON /C/ IFILE, NEMMPR
  LOAD LOSS CATEGORY ARRAY
  DO 200 K = 1, LAST
    DO 200 I = 1, 35
      DO 100 J = 3, 11
        LOSCAT(I,J) = LOSCAT(I,J) + NEMMPR(I,J*7,K)
      CONTINUE
      LOSCAT(I,1) = LOSCAT(I,1) + NEMMPR(I,1,K)
      LOSCAT(I,2) = LOSCAT(I,2) + NEMMPR(I,7,K)
    CONTINUE
  CONTINUE
  SUM LOSSES BY YOS
  DO 300 I = 1, 35
    DO 300 J = 2, 11
      LOSCAT(I,12) = LOSCAT(I,12) + LOSCAT(I,J)
    CONTINUE
  SUM LOSSES BY CATEGORY
  DO 400 I = 1, 35
    DO 400 J = 1, 12
      LOSCAT(36,J) = LOSCAT(36,J) + LOSCAT(I,J)
  CONTINUE
  RETURN
  END

```

0001
0002
0003
0004
0005
0006
0007
0008
0009
0010
0011
0012
0013
0014
0015
0016
0017
0018
0019
0020
0021
0022
0023
0024
0025

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DATE = 8/10/04

CONVRT

FORTAN IV G1 RELEASE 2.0

| | | | | | | |
|------------------|----------------|--------------------|-------------------------------------|--|--------------------|--------------------------|
| SYMBOL
FILE | LOCATION
0 | SYMBOL
TITLE1 | COMMON BLOCK /A
LOCATION
3B10 | SYMBOL
/ MAP SIZE
LOCATION
3C14 | SYMBOL
LOCATION | SYMBOL
LOCATION |
| SYMBOL
LOSCAT | LOCATION
0 | SYMBOL
LOCATION | COMMON BLOCK /B
LOCATION
3B10 | SYMBOL
/ MAP SIZE
LOCATION
6C0 | SYMBOL
LOCATION | SYMBOL
LOCATION |
| SYMBOL
IFILE | LOCATION
0 | SYMBOL
NEWMPR | COMMON BLOCK /C
LOCATION
3B10 | SYMBOL
/ MAP SIZE
LOCATION
7620 | SYMBOL
LOCATION | SYMBOL
LOCATION |
| SYMBOL
K | LOCATION
C0 | SYMBOL
LAST | SCALAR MAP
LOCATION
C4 | SYMBOL
LOCATION
C8 | SYMBOL
J | SYMBOL
LOCATION
CC |

| LOCATION | STA NUM | LABEL | STATEMENT | LABEL MAP | LOCATION | STA NUM | LABEL | LOCATION | STA NUM | LABEL |
|----------|---------|-------|-----------|-----------|----------|---------|-------|----------|---------|-------|
| 000178 | 1 | | | | 000178 | 8 | | 000188 | 9 | |
| 000198 | 10 | | | | 0001A4 | 11 | | 000180 | 12 | 100 |
| 0001CC | 13 | | | | 0001E0 | 14 | | 0001EC | 15 | 200 |
| 000228 | 16 | | | | 000234 | 17 | | 00023E | 18 | |
| 00024A | 19 | 300 | | | 00027A | 20 | | 00028A | 21 | |
| 000294 | 22 | | | | 0002A0 | 23 | 400 | 0002D4 | 24 | |

OPTIONS IN EFFECT TERM, NOID, EBCDIC, SOURCE, NOLIST, NODECK, LOAD, MAP, NOTEST

OPTIONS IN EFFECT NAME = CONVRT, LINECNT = 50

STATISTICS SOURCE STATEMENTS = 25, PROGRAM SIZE = 732

STATISTICS NO DIAGNOSTICS GENERATED

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DATE = 8/004

MAIN

FORTRAN IV G1 RELEASE 2.0

```

0001 SUBROUTINE DECRMT
0002 INTEGER LOSCAT(36,12),RNDIS(35),WDRWL(35)
0003 REAL RATE(35,6),DENOM(35)
0004 COMMON /B/ LOSCAT
0005 DATA RNDIS,WDRWL/70*0/,DENOM/35*0.0/,RATE/210*0.0/
0006 C----- COMPUTE THE DECREMENT RATES
0007 DO 100 I = 1,35
0008   IF(LOSCAT(I,1) .LE. 0) GO TO 100
0009   DO 10 J = 5,7
0010     RNDIS(I) = RNDIS(I) + LOSCAT(I,J)
0011   CONTINUE
0012   DO 20 J = 9,11
0013     WDRWL(I) = WDRWL(I) + LOSCAT(I,J)
0014   CONTINUE
0015   DENOM(I) = FLOAT(LOSCAT(I,1)) -
0016     + (FLOAT(RNDIS(I)) + WDRWL(I)) * 0.5)
0017   DO 30 J = 1,3
0018     RATE(I,J) = FLOAT(LOSCAT(I,1)) / DENOM(I)
0019   CONTINUE
0020   RATE(I,4) = FLOAT(RNDIS(I)) / FLOAT(LOSCAT(I,1))
0021   RATE(I,5) = FLOAT(LOSCAT(I,8)) / DENOM(I)
0022   RATE(I,6) = FLOAT(WDRWL(I)) / FLOAT(LOSCAT(I,1))
0023 C----- WRITE OUT LOSSES AND DECREMENT RATES BY CATEGORY
0024 DO 200 I = 1,35
0025   WRITE(04,1010) I,(RATE(I,J), J = 1,6)
0026 CONTINUE
0027 1010 FORMAT(13,6F7.4)
0028 RETURN
0029 END

```

| FORTRAN IV G1 RELEASE 2.0 | | DECRIT | DATE = 84004 | 18/28/27 | PAGE 0002 |
|---------------------------|-----------------|---|-----------------------------|------------------------------|-----------------|
| SYMBOL
LOSCAT | LOCATION
0 | COMMON BLOCK /B
SYMBOL LOCATION | MAP SIZE
SYMBOL LOCATION | 6C0
LOCATION | SYMBOL LOCATION |
| SYMBOL
IBCOM# | LOCATION
B8 | SUBPROGRAMS CALLED
SYMBOL LOCATION | SYMBOL LOCATION | SYMBOL LOCATION | SYMBOL LOCATION |
| SYMBOL
I | LOCATION
DC | SCALAR MAP
SYMBOL LOCATION
E0 | SYMBOL LOCATION | SYMBOL LOCATION | SYMBOL LOCATION |
| SYMBOL
RNDIS | LOCATION
E4 | ARRAY MAP
SYMBOL LOCATION
WDRWL 170 | SYMBOL LOCATION
RATE 1FC | SYMBOL LOCATION
DENOM 544 | SYMBOL LOCATION |
| SYMBOL
1010 | LOCATION
5D0 | FORMAT STATEMENT MAP
SYMBOL LOCATION | SYMBOL LOCATION | SYMBOL LOCATION | SYMBOL LOCATION |

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DATE = 34004

DECRNT

FORTRAN IV G1 RELEASE 2.0

| LOCATION | STA NUM | LABEL | STATEMENT | LARFL MAP | LOCATION | STA NUM | LABEL | LOCATION | STA NUM | LABEL |
|----------|---------|-------|-----------|-----------|----------|---------|-------|----------|---------|-------|
| 00066E | 1 | | | | 00066E | 6 | | 00067E | 7 | |
| 000690 | 8 | | | | 00069A | 9 | | 0006A6 | 10 | 10 |
| 0006BE | 11 | | | | 0006C8 | 12 | | 0006D4 | 13 | 20 |
| 0006EC | 14 | | | | 000738 | 15 | | 000744 | 16 | |
| 000768 | 17 | 30 | | | 000784 | 18 | | 0007C6 | 19 | |
| 0007EA | 20 | | | | 00082C | 21 | 100 | 000848 | 22 | |
| 000854 | 23 | | | | 0008A4 | 24 | 200 | 0008BC | 26 | |

OPTIONS IN EFFECT TERM, NOID, EBCD1C, SOURCE, MOLIST, NODECK, LOAD, MAP, NOTEST
 OPTIONS IN EFFECT NAME = DECRNT, LINECNT = 50
 STATISTICS SOURCE STATEMENTS = 27, PROGRAM SIZE = 2244
 STATISTICS NO DIAGNOSTICS GENERATED

18/28/27

DATE = 84004

MAIN

FORTRAN IV G1 RELEASE 2.0

```

0001      C-----+LOS01860
0002      C BLOCK DATA SUBROUTINE TO INITIALIZE ARRAYS +LOS01870
0003      C-----+LOS01880
0004      BLOCK DATA
0005      INTEGER IFILE(35,18,6), NEMPR(35,18,9)
0006      COMMON /A/ FILE(35,18,6), TITLE(65)
0007      COMMON /B/ LOSCAT(36,12)
0008      COMMON /C/ IFILE, NEMPR
0009      DATA FILE/3780*0.0/, LOSCAT/432*0/, IFILE, NEMPR/9450*0/,
0010      END
0011
0012      +LOS01890
0013      +LOS01900
0014      +LOS01910
0015      +LOS01920
0016      +LOS01930
0017      +LOS01940
0018      +LOS01950

```

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DATE = 84C04

BLK DATA

FORTRAM IV G1 RELEASE 2.0

| SYMBOL
FILE | LOCATION
0 | COMMON BLOCK /A | | / MAP SIZE 3C14 | | SYMBOL | LOCATION | SYMBOL | LOCATION |
|------------------|---------------|------------------|------------------|-----------------|----------|------------------|------------------|--------|----------|
| | | SYMBOL
TITLE1 | LOCATION
3B10 | SYMBOL | LOCATION | | | | |
| SYMBOL
LOSCAT | LOCATION
0 | COMMON BLOCK /B | | / MAP SIZE 6C0 | | SYMBOL | LOCATION | SYMBOL | LOCATION |
| | | SYMBOL | LOCATION | SYMBOL | LOCATION | | | | |
| SYMBOL
IFILE | LOCATION
0 | COMMON BLOCK /C | | / MAP SIZE 93A8 | | SYMBOL
NEWMPR | LOCATION
3B10 | SYMBOL | LOCATION |
| | | SYMBOL | LOCATION | SYMBOL | LOCATION | | | | |

OPTIONS IN EFFECT TERM,NOID,EBCDIC, SOURCE,NOLIST,NODECK,LOAD,MAP,NOTESET
OPTIONS IN EFFECT MAKE = BLK DATA, LINECNT = 50
STATISTICS NO DIAGNOSTICS GENERATED
STATISTICS NO DIAGNOSTICS THIS STEP

Attachment 3b(3a) to Appendix J
COMRAT Table Example

PERCENT YEARS OF COMMISSIONED SERVICE BY YEARS OF TOTAL FEDERAL SERVICE

| YOS | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 |
|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1 | 0.9099 | 0.0332 | 0.0166 | 0.0137 | 0.0093 | 0.0043 | 0.0044 | 0.0030 | 0.0023 | 0.0019 | 0.0010 | 0.0003 | 0.0001 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2 | 0.0 | 0.8475 | 0.0438 | 0.0307 | 0.0284 | 0.0171 | 0.0088 | 0.0084 | 0.0056 | 0.0044 | 0.0034 | 0.0013 | 0.0003 | 0.0002 | 0.0 | 0.0 | 0.0001 | 0.0 |
| 3 | 0.0 | 0.0 | 0.8887 | 0.0251 | 0.0269 | 0.0305 | 0.0126 | 0.0054 | 0.0054 | 0.0018 | 0.0 | 0.0018 | 0.0018 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 4 | 0.0 | 0.0 | 0.0 | 0.8236 | 0.0392 | 0.0392 | 0.0392 | 0.0196 | 0.0196 | 0.0196 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.6667 | 0.1111 | 0.1111 | 0.0 | 0.1111 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.7500 | 0.0 | 0.0 | 0.2500 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.6667 | 0.0 | 0.0 | 0.3333 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 10 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 11 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 12 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 13 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 14 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0000 | 0.0 | 0.0 | 0.0 | 0.0 |
| 15 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0000 | 0.0 | 0.0 | 0.0 |
| 16 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0000 | 0.0 | 0.0 |
| 17 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0000 | 0.0 |
| 18 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0000 |

Attachment 3b(3a) to Appendix J
 COMBAT Table Example

NOTE: THIS IS AN EXAMPLE OF THE ARRAY USED BY THE LOSOFCR FORTRAN PROGRAM IN THE GORCC INTERFACE PROGRAM THAT CONVERTS YEARS OF COMMISSIONED SERVICE TO YEARS OF TOTAL FEDERAL SERVICE FOR A SINGLE PAY GRADE.

PERCENT YEARS OF COMMISSIONED SERVICE BY YEARS OF TOTAL FEDERAL SERVICE

| YOS | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 |
|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|-----|
| Y | 0.9099 | 0.0332 | 0.0166 | 0.0137 | 0.0093 | 0.0043 | 0.0044 | 0.0030 | 0.0023 | 0.0019 | 0.0010 | 0.0003 | 0.0001 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| E | 0.0 | 0.8475 | 0.0438 | 0.0307 | 0.0284 | 0.0171 | 0.0088 | 0.0084 | 0.0056 | 0.0044 | 0.0034 | 0.0013 | 0.0003 | 0.0002 | 0.0 | 0.0 | 0.00001 | 0.0 |
| A | 0.0 | 0.0 | 0.8887 | 0.0251 | 0.0269 | 0.0305 | 0.0126 | 0.0054 | 0.0054 | 0.0018 | 0.0 | 0.0018 | 0.0018 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| R | 0.0 | 0.0 | 0.0 | 0.8236 | 0.0392 | 0.0392 | 0.0392 | 0.0196 | 0.0196 | 0.0196 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| S | 0.0 | 0.0 | 0.0 | 0.0 | 0.6667 | 0.1111 | 0.1111 | 0.0 | 0.1111 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| O | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.7500 | 0.0 | 0.0 | 0.2500 | 0.0 | 0.3333 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| F | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| C | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.4400 | 0.0 | 0.0 | 0.2800 | 0.2800 | 0.0 | 0.0 | 0.0 |
| H | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.7200 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| M | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0000 | 0.0 | 0.0 |
| S | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0000 | 0.0 |
| I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| N | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| E | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| D | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| S | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| R | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| V | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| I | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| E | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| C | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 30 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 31 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 32 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 33 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 34 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 35 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

NOTE: THIS IS AN EXAMPLE OF THE ARRAY USED BY THE LOSSOFGR FORTRAN PROGRAM IN THE GORGO INTERFACE PROGRAM THAT CONVERTS YEARS OF COMMISSIONED SERVICE TO YEARS OF TOTAL FEDERAL SERVICE FOR A SINGLE PAY GRADE.

Attachment 3b(3b) to Appendix J
Interface Program Output

EXAMPLE OF THE OUTPUT FORCE GRADE TABLE FROM
THE ACOL/DMSM INTERFACE PROGRAM FOR EVENTUAL
INPUT TO THE GORGO MODEL.

ARMY ENLISTED WRAPT12
FORCE GRADE TABLE

| | | | | | | | | | |
|----|---|---|--------|-------|-------|-------|------|------|-----|
| 1 | 0 | 0 | 136671 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2 | 0 | 0 | 66832 | 47085 | 0 | 0 | 0 | 0 | 0 |
| 3 | 0 | 0 | 20880 | 69629 | 4646 | 0 | 0 | 0 | 0 |
| 4 | 0 | 0 | 5493 | 27363 | 16419 | 0 | 0 | 0 | 0 |
| 5 | 0 | 0 | 0 | 12588 | 22570 | 0 | 0 | 0 | 0 |
| 6 | 0 | 0 | 0 | 5864 | 24365 | 738 | 0 | 0 | 0 |
| 7 | 0 | 0 | 0 | 0 | 3698 | 20026 | 2174 | 0 | 0 |
| 8 | 0 | 0 | 0 | 2350 | 12440 | 6855 | 53 | 0 | 0 |
| 9 | 0 | 0 | 0 | 1620 | 6215 | 10505 | 71 | 0 | 0 |
| 10 | 0 | 0 | 0 | 1279 | 3634 | 11167 | 210 | 0 | 0 |
| 11 | 0 | 0 | 0 | 0 | 2622 | 11787 | 458 | 0 | 0 |
| 12 | 0 | 0 | 0 | 0 | 2010 | 9681 | 2024 | 36 | 0 |
| 13 | 0 | 0 | 0 | 0 | 1627 | 7664 | 3462 | 56 | 0 |
| 14 | 0 | 0 | 0 | 0 | 1303 | 4991 | 5733 | 88 | 0 |
| 15 | 0 | 0 | 0 | 0 | 1163 | 3713 | 6588 | 156 | 0 |
| 16 | 0 | 0 | 0 | 0 | 1092 | 2861 | 6900 | 317 | 0 |
| 17 | 0 | 0 | 0 | 0 | 1039 | 2373 | 6873 | 667 | 12 |
| 18 | 0 | 0 | 0 | 0 | 1010 | 2176 | 6401 | 1198 | 16 |
| 19 | 0 | 0 | 0 | 0 | 993 | 2099 | 5308 | 2272 | 27 |
| 20 | 0 | 0 | 0 | 0 | 966 | 2037 | 4457 | 3079 | 49 |
| 21 | 0 | 0 | 0 | 0 | 480 | 978 | 1479 | 2321 | 76 |
| 22 | 0 | 0 | 0 | 0 | 0 | 545 | 480 | 1738 | 132 |
| 23 | 0 | 0 | 0 | 0 | 0 | 336 | 246 | 1057 | 213 |
| 24 | 0 | 0 | 0 | 0 | 0 | 0 | 161 | 614 | 420 |
| 25 | 0 | 0 | 0 | 0 | 0 | 0 | 121 | 387 | 538 |
| 26 | 0 | 0 | 0 | 0 | 0 | 0 | 88 | 242 | 485 |
| 27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 99 | 300 |
| 28 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 64 | 285 |
| 29 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 51 | 273 |
| 30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 38 | 203 |
| 31 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 28 |
| 32 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 |
| 33 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 34 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 35 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

EXAMPLE OF THE OUTPUT FORCE DECREMENT TABLE FROM
THE ACOL/DMSM INTERFACE PROGRAM FOR EVENTUAL
INPUT TO THE GORGO MODEL.

ARMY ENLISTED WRAPT12
FORCE DECREMENT TABLE

| | | | | | | |
|----|--------|--------|--------|--------|--------|--------|
| 1 | 0.0003 | 0.0008 | 0.0010 | 0.0 | 0.0063 | 0.1589 |
| 2 | 0.0019 | 0.0033 | 0.0027 | 0.0 | 0.0047 | 0.1532 |
| 3 | 0.0005 | 0.0052 | 0.0092 | 0.0 | 0.0049 | 0.4669 |
| 4 | 0.0008 | 0.0007 | 0.0019 | 0.0 | 0.0013 | 0.2824 |
| 5 | 0.0021 | 0.0009 | 0.0012 | 0.0 | 0.0005 | 0.1148 |
| 6 | 0.0034 | 0.0026 | 0.0041 | 0.0 | 0.0016 | 0.1529 |
| 7 | 0.0055 | 0.0014 | 0.0021 | 0.0 | 0.0010 | 0.1528 |
| 8 | 0.0053 | 0.0015 | 0.0045 | 0.0 | 0.0016 | 0.1396 |
| 9 | 0.0046 | 0.0017 | 0.0032 | 0.0 | 0.0015 | 0.1047 |
| 10 | 0.0049 | 0.0008 | 0.0015 | 0.0 | 0.0008 | 0.0798 |
| 11 | 0.0056 | 0.0024 | 0.0051 | 0.0 | 0.0006 | 0.0620 |
| 12 | 0.0071 | 0.0024 | 0.0031 | 0.0 | 0.0009 | 0.0552 |
| 13 | 0.0045 | 0.0012 | 0.0054 | 0.0 | 0.0002 | 0.0432 |
| 14 | 0.0079 | 0.0013 | 0.0044 | 0.0 | 0.0004 | 0.0268 |
| 15 | 0.0032 | 0.0012 | 0.0052 | 0.0 | 0.0003 | 0.0229 |
| 16 | 0.0030 | 0.0014 | 0.0048 | 0.0 | 0.0001 | 0.0153 |
| 17 | 0.0011 | 0.0018 | 0.0036 | 0.0 | 0.0006 | 0.0080 |
| 18 | 0.0003 | 0.0019 | 0.0022 | 0.0 | 0.0 | 0.0051 |
| 19 | 0.0001 | 0.0007 | 0.0030 | 0.0 | 0.0010 | 0.0055 |
| 20 | 0.0 | 0.0010 | 0.0180 | 0.4819 | 0.0 | 0.0 |
| 21 | 0.0 | 0.0007 | 0.0186 | 0.4469 | 0.0 | 0.0 |
| 22 | 0.0 | 0.0008 | 0.0171 | 0.3447 | 0.0 | 0.0 |
| 23 | 0.0 | 0.0032 | 0.0122 | 0.3121 | 0.0 | 0.0 |
| 24 | 0.0 | 0.0009 | 0.0062 | 0.1180 | 0.0 | 0.0 |
| 25 | 0.0 | 0.0 | 0.0107 | 0.2122 | 0.0 | 0.0 |
| 26 | 0.0 | 0.0246 | 0.0323 | 0.4049 | 0.0 | 0.0 |
| 27 | 0.0 | 0.0 | 0.0053 | 0.1128 | 0.0 | 0.0 |
| 28 | 0.0 | 0.0 | 0.0 | 0.0774 | 0.0 | 0.0 |
| 29 | 0.0 | 0.0 | 0.0071 | 0.2500 | 0.0 | 0.0 |
| 30 | 0.0 | 0.0072 | 0.0435 | 0.8548 | 0.0 | 0.0 |
| 31 | 0.0 | 0.0 | 0.0 | 0.8214 | 0.0 | 0.0 |
| 32 | 0.0 | 0.0 | 0.0 | 0.8000 | 0.0 | 0.0 |
| 33 | 0.0 | 0.0 | 0.0 | 1.0000 | 0.0 | 0.0 |
| 34 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 35 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Attachment 4 to Appendix J
Utility Programs

Attachment 4a to Appendix J
DODFG EXEC

##57

&CONTROL OFF NOMSG

&IF \$\$ EQ DEBUG &CONTROL ALL

DISPCL

EXEC CLRSTAK

GLOBAL TXTLIB FORTMOD1

&IF &INDEX = 1 &IF &1 = ? &GOTO -TELL

&IF &INDEX = 1 &IF &1 = HELP &GOTO -TELL

&GOTO -LINKUP

-TELL DISPCL

&BEGTYPE

+-----+
+*DODFG EXEC OUTPUTS FORCE GRADE TABLES AND LOSS TABLES AS
+ INPUT DATA FILES TO THE ANNUALIZED COST OF LEAVING (ACOL)
+ MODEL.
+

+*A SELECTABLE OPTION IS TO OUTPUT NEW FLOW DYNAMIC FORMAT
+ THREES THAT HAVE MODIFIED RATES. USING THE NEW RATES IT
+ BUILDS A NEW FORCE PROFILE TO MEET THE SPECIFIED END STRENGTH.
+

+*THE EXEC RUNS THE FOLLOWING FORTRAN PROGRAMS THROUGH
+ THE ASSOCIATED PROGRAM MODULE:

| | | | |
|---|-----------|----------|---|
| + | FORTTRAN: | MODULE: | + |
| + | FORCGRAD | FGMOD | + |
| + | LOSSDATA | LOSSMOD | + |
| + | BUILD2 | BILD2MOD | + |
| + | | | + |

+*CMS COMMANDS:

+ - LINK TO USERID FILE MODE = &MODE
+ - COPY &FNAME &FTYPE &MODE TO TEMP DATA A (LRECL 80
+

+*DDNAME FILE DEFINITIONS:

+ - FILEDEF 02 = PRINTER
+ - FILEDEF 03 = DISK TEMP DATA A (LRECL 80
+ - FILEDEF 04 = DISK NEWFORMTHREE (LRECL 80
+ - FILEDEF 05 = TERMINAL
+ - FILEDEF 06 = TERMINAL
+ - FILEDEF 07 = DISK LOSSTABLE (LRECL 80
+ - FILEDEF 10 = DISK FORCEGRADE TABLE (LRECL 132
+

+ R. SCHREIBER 25OCT83
+-----+

&END

&TYPE DO YOU WISH TO CONTINUE ? (YES|NO).

&READ VARS &RESPONSE

&RESPONSE = &SUBSTR &RESPONSE 1 1

&IF &RESPONSE NE Y &EXIT

DISPCL

-LINKUP &TYPE ENTER USERID WHERE DATA EXISTS (8 CHAR MAX)

&READ VARS &ID

EXEC LINKUPB &ID

&IF &RETCODE NE 0 &GOTO -ERR01

```

&MODE = B
-AGAIN &CONTINUE
&DODFLAG = 0
&AGGFLAG = 0
DISPCL
&TYPE ENTER FILENAME OF DATA SET TO RUN (EG. ACE09CAT)
&READ VARS &FNAME
-REDOIT &SPACE 2
&TYPE DO YOU NEED TO BUILD A NEW FORMAT THREE ? (YES|NO).
&READ VARS &ANSWR
&ANSWR = &SUBSTR &ANSWR 1 1
&IF &ANSWR NE Y &IF &ANSWR NE N &GOTO -REDOIT
&BILDIT = &ANSWR
&TYPE ENTER FILETYPE (EG. CURRENT).
&READ VARS &FTYPE
STATE &FNAME &FTYPE B
&IF &RETCODE NE 0 &GOTO -ERRO2
&SRVC = &SUBSTR &FNAME 1 1
&FORCE = &SUBSTR &FNAME 2 1
&POP = &SUBSTR &FNAME 3 1
&CODE = &SUBSTR &FNAME 4 2
&RET = &SUBSTR &FNAME 6 1
&MOD = &SUBSTR &FNAME 7 2
* SET CONSTANTS FOR ENLISTED POPULATION
&IF &POP EQ 0 &SKIP 5
&RECS = 685
&FIRST = 3
&LAST = 9
&OCCNMBR = 10
&GOTO -RESUME
* SET CONSTANTS FOR OFFICER POPULATION
&RECS = 457
&FIRST = 1
&LAST = 6
&OCCNMBR = 14
-RESUME &CONTINUE
&REC = &RECS - 1
&START = -&REC
&GOTO -&SRVC
-A &CONTINUE
&IF &POP EQ 0 &GOTO -AO
&GAIN = 132000
&ENDS = 677362
&GOTO -EOCCGRP
-AO &CONTINUE
&GAIN = 6700
&ENDS = 88874
&GOTO -OCCGRP
-N &CONTINUE
&IF &POP EQ 0 &GOTO -NO
&GAIN = 71000
&ENDS = 479663
&GOTO -EOCCGRP
-NO &CONTINUE

```

```

&GAIN = 4600
&ENDS = 62255
&GOTO -OCCGRP
-M &CONTINUE
&IF &POP EQ 0 &GOTO -MO
&GAIN = 29000
&ENDS = 173069
&GOTO -EOCCGRP
-MO &CONTINUE
&GAIN = 1700
&ENDS = 17303
&GOTO -OCCGRP
-F &CONTINUE
&IF &POP EQ 0 &GOTO -FO
&GAIN = 78000
&ENDS = 474646
&GOTO -EOCCGRP
-FO &CONTINUE
&GAIN = 7900
&ENDS = 101467
&GOTO -OCCGRP
-D &BEGTYPE
SPECIFY WHICH SERVICE TO EXTRACT FROM DOD FILE
CODE    SERVICE
1        ARMY
2        NAVY
3        USMC
4        USAF
&END
&READ VARS &SERCODE
&IF &SERCODE EQ 1 &SRVC = A
&IF &SERCODE EQ 2 &SRVC = N
&IF &SERCODE EQ 3 &SRVC = M
&IF &SERCODE EQ 4 &SRVC = F
* IF NO OCCUPATIONAL DATA FOR THAT SERVICE PICK ANOTHER ONE
&IF &CODE EQ 1 &IF &SRVC EQ M &GOTO -NODATA
&IF &CODE EQ 2 &IF &SRVC EQ M &GOTO -NODATA
&IF &CODE EQ 3 &IF &SRVC EQ M &GOTO -NODATA
&IF &CODE EQ 4 &IF &SRVC EQ M &GOTO -NODATA
&IF &CODE EQ 5 &IF &SRVC EQ A &GOTO -NODATA
&IF &CODE EQ 6 &IF &SRVC EQ M &GOTO -NODATA
&IF &CODE EQ 7 &IF &SRVC EQ N &GOTO -NODATA
&IF &CODE EQ 7 &IF &SRVC EQ M &GOTO -NODATA
&IF &CODE EQ 7 &IF &SRVC EQ A &GOTO -NODATA
&IF &CODE EQ 10 &IF &SRVC EQ F &GOTO -NODATA
&IF &CODE EQ 11 &IF &SRVC EQ N &GOTO -NODATA
&IF &CODE EQ 12 &IF &SRVC EQ F &GOTO -NODATA
&IF &CODE EQ 13 &IF &SRVC EQ F &GOTO -NODATA
&LOOP 1 &SERCODE
&START = &START + &RECS
&DODFLAG = 1
&GOTO -&SRVC
-NODATA DISPGL
&TYPE SORRY, THERE IS NO OCC DATA FOR THAT SERVICE. PICK ANOTHER.

```

```

&SPACE 2
&GOTO -D
-OCCGRP &CONTINUE
&IF &CODE EQ 10 &GOTO -AGGREGATE
&IF &DODFLAG EQ 1 &IF &BILDIT EQ Y &GOTO -ENUMBR
&IF &DODFLAG = 1 &GOTO -GETOCCGRP
  DISPL
&BEGTYPE
  ENTER WHICH OCC GROUP TO PROCESS
    STANDARD  USMC
    00XX = 0   0
    01XX = 1   1
    02XX = 2   2
    03XX = 3   -
    04XX = 4   3
    05XX = 5   4
    06XX = 6   5
    07XX = 7   6
    08XX = 8   7
    09XX = -   8

&END
&READ VARS &OCCGRP
* IF NOT BUILDING NEW FORCE PROFILE USE SET CONSTANTS *
-ENUMBR &CONTINUE
&IF &BILDIT EQ N &SKIP 4
&TYPE ENTER GAINS FOR THIS OCCGRP...
&READ VARS &GAIN
&TYPE ENTER END STRENGTH FOR THIS OCCGRP...
&READ VARS &ENDS
&IF &DODFLAG EQ 1 &GOTO -GETOCCGRP
&OCCNMBR = &OCCGRP
&IF &SRVC EQ M &IF &OCCGRP GT 2 &OCCNMBR = &OCCNMBR + 1
&IF &OCCNMBR LT 10 &OCCNMBR = &CONCAT 0 &OCCNMBR
&DOLOOP = &OCCGRP + 1
&LOOP 1 &DOLOOP
&START = &START + &RECS
&GOTO -GETOCCGRP
-OCCGRP &CONTINUE
&IF &CODE EQ 14 &GOTO -AGGREGATE
&IF &DODFLAG EQ 1 &IF &BILDIT EQ Y &GOTO -ONUMBR
&IF &DODFLAG EQ 1 &GOTO -GETOCCGRP
  DISPL
&BEGTYPE
  SPECIFY WHICH OCC GROUP TO PROCESS ACCORDING TO THE MENU
  CODE  ARMY  NAVY  USMC  USAF  CODE
  0....JAG....JAG....JAG....JAG.....0
  1....CHAP...CHAP...PLT....CHAP.....1
  2....MED....MED....NAV....MED.....2
  3....DEN....DEN....CBT....DEN.....3
  4....NRS....NRS....SUP....NRS.....4
  5....VET....MSC....OTR....MSC.....5
  6....MSC....PLT.....BSC.....6
  7....BSC....NAV.....PLT.....7

```

```

8.....PLT.....CBT.....NAV.....8
9.....CBT.....OTR.....SUP.....9
10.....SUP.....S-E.....10
11.....OTR.....11
&END
&READ VARS &OCCGRP
** IF NOT BUILDING NEW FORCE PROFILE USE SET CONSTANTS **
-ONUMBR &CONTINUE
&IF &BILDIT EQ N &SKIP 4
&TYPE ENTER GAINS FOR THIS OCCGRP...
&READ VARS &GAIN
&TYPE ENTER END STRENGTH FOR THIS OCCGRP...
&READ VARS &ENDS
&IF &DODFLAG EQ 1 &GOTO -GETOCCGRP
&OCCNMBR = &OCCGRP
&IF &OCCNMBR LT 10 &OCCNMBR = &CONCAT 0 &OCCNMBR
&DOLOOP = &OCCGRP + 1
&LOOP 1 &DOLOOP
&START = &START + &RECS
-GETOCCGRP &CONTINUE
* EXTRACT DATA FROM SPECIFIED FORMAT THREE
COPY &FNAME &FTYPE &MODE TEMP DATA A (FR &START FOR &RECS LRECL 80
&IF &DODFLAG EQ 1 &OCCNMBR = &CODE
&GOTO -DOIT
* COPY SINGLE AGGREGATE FILE INTO TEMP DATA
-AGGREGATE &CONTINUE
&AGGFLAG = 1
COPY &FNAME &FTYPE &MODE TEMP DATA A (LRECL 80
-DOIT &CONTINUE
* FILE NAME AND TYPE FOR NEW FORMAT THREE FLOW DYNAMIC TABLE
&FNOUT = &CONCAT &SRVC &FORCE &POP &CODE &RET &MOD
&TYPEOUT = NEWFILE
&TAIL1 = CAT
&IF &RET EQ R &TAIL1 = &CONCAT C &MOD
* FILE NAME AND TYPE FOR NEW FORMAT TWO FORCE GRADE TABLE
&OUTFILE = &CONCAT &SRVC &FORCE &POP &OCCNMBR &TAIL1
&OUTTYPE = ACOLDATA
* FILE NAME FOR LOSS TABLE
&TAIL2 = LOS
&IF &RET EQ R &TAIL2 = &CONCAT L &MOD
&OUTDISK = &CONCAT &SRVC &FORCE &POP &OCCNMBR &TAIL2
&IF &BILDIT EQ N &FNOUT = TEMP
&IF &BILDIT EQ N &TYPEOUT = DATA
FILEDEF 02 PRINTER (RECFM FA LRECL 132 BLKSIZE 133 PERM
FILEDEF 03 DISK TEMP DATA A
FILEDEF 04 DISK &FNOUT &TYPEOUT A
FILEDEF 05 TERMINAL
FILEDEF 06 TERMINAL
FILEDEF 07 DISK &OUTDISK &OUTTYPE A (RECFM FB LRECL 132 BLKSIZE 6600
FILEDEF 10 DISK &OUTFILE &OUTTYPE A (RECFM FB LRECL 132 BLKSIZE 6600
&IF &BILDIT EQ N &GOTO -LOSSTABLE
DISPCL
&TYPE NOW BUILDING NEW FLOW DYNAMIC TABLE...
&TYPE &FNOUT &TYPEOUT

```

```

EXEC CLRSTAK
&STACK &GAIN
&STACK &ENDS
  BILD2MOD
-LOSSTABLE &SPACE 2
&TYPE DO YOU WANT LOSS TABLE ? (YES|NO).
&READ VARS &LOST
&LOST = &SUBSTR &LOST 1 1
&IF &LOST EQ N &GOTO -FORCEGRADE
  DISPCL
&TYPE CREATING LOSS TABLE...
&TYPE &OUTDISK &OUTTYPE
&STACK &FIRST
&STACK &LAST
  LOSSMOD
-FORCEGRADE DISPCL
&TYPE NOW CREATING FORCE GRADE TABLE...
&TYPE &OUTFILE &OUTTYPE
  EXEC CLRSTAK
&STACK &FIRST
&STACK &LAST
  FGMOD
  ERASE TEMP DATA A
&IF &AGGFLAG EQ 1 &GOTO -NEWFILE
&SPACE 2
&TYPE DO YOU WANT TO CREATE ANOTHER FORCE GRADE
&TYPE TABLE FROM FILE &FNAME ? (YES|NO).
&READ VARS &ANS2
&ANS2 = &SUBSTR &ANS2 1 1
&IF &ANS2 EQ N &GOTO -NEWFILE
&IF &DODFLAG = 1 &SRVC = D
&GOTO -RESUME
-QUIT EXEC CLRSTAK
  REL B (DET
&BEGTYPE
PROGRAM TERMINATED...
&END
&EXIT
-NEWFILE &BEGTYPE
IF YOU WANT TO QUIT ENTER--> QUIT
RUN ANOTHER FILE ON SAME USERID ENTER--> AGAIN
LINKUP TO A NEW USERID ENTER--> LINKUP
&END
&READ VARS &REPLY
&IF &REPLY NE QUIT &IF &REPLY NE AGAIN &IF &REPLY NE LINKUP &GOTO -OOPS
&GOTO -&REPLY
-OOPS &TYPE YOU ENTERED &REPLY TRY AGAIN
&GOTO -NEWFILE
*** ERROR MESSAGES ***
-ERRO1 &TYPE CHECK SPELLING &ID IS NOT CORRECT
&GOTO -LINKUP
-ERRO2 &TYPE &FNAME &FTYPE DOES NOT LIVE ON &ID 'S B-DISK
&GOTO -QUIT

```


Attachment 4b(1) to Appendix J
FORCGRAD Program Listing

18/26/36

DATE = 84004

MAIN

RELEASE 2.0

PORTAN IV G1

```

0028      400      CONTINUE
C*****
C SUM ROWS (ONLY THOSE FIELDS WITH LOSS RATE DATA)
C FILL FORM2 ARRAY WITH STRENGTH BY YOS DATA FOR EACH GRADE
C*****
      DO 700 I = 1,35
        RSUM(I) = 0
        FORM2(I,GRADE) = INT(FILE(I,2,GRADE))
        DO 600 J = 6,19
          IF(J.EQ.7) GO TO 600
          RSUM(I) = RSUM(I) + INT(FILE(I,J,GRADE))
        CONTINUE
      700      CONTINUE
C*****
C CONVERT THE RATES OF FORMAT 3 INTO RAW NUMBERS
C SUM ROWS AND COLUMNS --> ROW SUM = YOS STRENGTH
C*****
      DO 6100 I = 1,35
        DO 6070 J = 6,19
          IF (J.EQ.7) GO TO 6000
          RNUM(I,J) = INT(FILE(I,2,GRADE) * FILE(I,J,GRADE)) + .5)
        CONTINUE
      6100      CONTINUE
      DO 6400 I = 1,35
        RNUM(I,1) = INT(FILE(I,1,GRADE))
        RNUM(I,2) = 0
        RNUM(I,7) = INT(FILE(I,7,GRADE))
        DO 6200 J = 6,19
          IF (J.EQ.7) GO TO 6200
          RNUM(I,2) = RNUM(I,2) + RNUM(I,J)
        CONTINUE
      6200      CONTINUE
      DO 6300 J = 3,5
        RNUM(1,J) = INT(FILE(1,J,GRADE))
      CONTINUE
      6300      CONTINUE
      DO 6600 J = 2,19
        COLSUM(J) = 0
        DO 6500 I = 1,35
          COLSUM(J) = COLSUM(J) + RNUM(I,J)
        CONTINUE
      6600      CONTINUE
C*****
C SUM THE NUMBER ARRAY OVER ALL GRADES
C*****
      DO 6900 I = 1,35
        DO 6800 J = 2,19
          SUMNUM(I,J) = SUMNUM(I,J) + RNUM(I,J)
        CONTINUE
      6800      CONTINUE

```

FOR000490
 FOR000500
 FOR000510
 FOR000520
 FOR000530
 FOR000540
 FOR000550
 FOR000560
 FOR000570
 FOR000580
 FOR000590
 FOR000600
 FOR000610
 FOR000620
 FOR000630
 FOR000640
 FOR000650
 FOR000660
 FOR000670
 FOR000680
 FOR000690
 FOR000700
 FOR000710
 FOR000720
 FOR000730
 FOR000740
 FOR000750
 FOR000760
 FOR000770
 FOR000780
 FOR000790
 FOR000800
 FOR000810
 FOR000820
 FOR000830
 FOR000840
 FOR000850
 FOR000860
 FOR000870
 FOR000880
 FOR000890
 FOR000900
 FOR000910
 FOR000920
 FOR000930
 FOR000940
 FOR000950
 FOR000960

```

0065          6900 CONTINUE
0066          900 CONTINUE
C
C
C
0067          901 CONTINUE
C
C*****SUM THE COLUMNS OF SUMNUM ARRAY*****
C
C
C          DO 7100 J = 2,19
C            COLSUM(J) = 0
C            DO 7000 I = 1,35
C              COLSUM(J) = COLSUM(J) + SUMNUM(I,J)
C            CONTINUE
C          7000 CONTINUE
C          7100 CONTINUE
C*****
C          COMPUTE ROW AND COLUMN SUMS FOR FORMAT 2
C*****
C          TOTAL = 0
C          DO 8100 J = 1,9
C            CSUM(J) = 0
C            DO 8000 I = 1,35
C              CSUM(J) = CSUM(J) + FORM2(I,J)
C            CONTINUE
C          8000 CONTINUE
C          8100 CONTINUE
C          DO 8300 I = 1,35
C            RSUM(I) = 0
C            DO 8200 J = 1,9
C              RSUM(I) = RSUM(I) + FORM2(I,J)
C            CONTINUE
C            TOTAL = TOTAL + RSUM(I)
C          8300 CONTINUE
C*****WRITE FORMAT 2*****
C
C          TLOST = 0
C          WRITE (OUTPUT,8500) (TITLE1(I), I = 1,65)
C          DO 8400 I = 1,35
C            YOSLOS= RSUM(I) - RSUM(I+1)
C            I5(I,EQ. 35) YOSLOS = RSUM(I)
C            TLOST = TLOST + YOSLOS
C            WRITE (OUTPUT,8510) I, (FORM2(I,J), J = 1,9),
C              + RSUM(I),YOSLOS
C          8400 CONTINUE
C          WRITE (OUTPUT,8520) (CSUM(J), J = 1,9), TOTAL, TLOST
C          WRITE (OUTPUT,1998)MONTH,DAY, YEAR
C          8700 CONTINUE
C
FOR00970
FOR00980
FOR00990
FOR01000
FOR01010
FOR01020
FOR01030
FOR01040
FOR01050
FOR01060
FOR01070
FOR01080
FOR01090
FOR01100
FOR01110
FOR01120
FOR01130
FOR01140
FOR01150
FOR01160
FOR01170
FOR01180
FOR01190
FOR01200
FOR01210
FOR01220
FOR01230
FOR01240
FOR01250
FOR01260
FOR01270
FOR01280
FOR01290
FOR01300
FOR01310
FOR01320
FOR01330
FOR01340
FOR01350
FOR01360
FOR01370
FOR01380
FOR01390
FOR01400
FOR01410
FOR01420
FOR01430
FOR01440

```

FORTRAN IV G1 RELEASE 2.0 MAIN DATE = 84004 18/26/36

```

0099          C*****READ FORMAT STATEMENTS*****
0100          C
0101          1050 FORMAT(65A1)
          1100 FORMAT(12,4F7.0,F7.4,F7.0,3F7.4)
          1200 FORMAT(2X,9F7.4)
          C
0102          C*****WRITE FORMAT STATEMENTS*****
0103          C
          1998 FORMAT('RUN DATE: ',12,'/',12,'/',12)
          2700 FORMAT('H1, YOU HAVE ENCOUNTERED AN INPUT ERROR ATTEMPTING' /
          11X, 'TO READ DATA FROM SET NUMBER: ',12)
          2900 FORMAT('1X, YOU BOZO! I WENT TO ALL THAT TROUBLE EXPLAINING' /
          11X, 'HOW TO ENTER TWO SIMPLE NUMBERS AND YOU FAILED. TRY AGAIN!')
          2920 FORMAT(' YOU ENTERED ONLY ONE OF THE TWO NUMBERS REQUIRED.' /
          1' TRY TO GET IT RIGHT THIS TIME.')
          3000 FORMAT(65A1)
          3100 FORMAT(2X,63A1)
          8500 FORMAT('FORCE CONFIGURATION (FORMAT 2)'/,65A1,/,
          188(' '),/,
          2'YR/GRADE',6X,1' ,6X,1' ,2' ,6X,1' ,3' ,6X,1' ,4' ,6X,1' ,5' ,6X,1' ,6' ,6X,1' ,7' ,6X,
          3' ,8' ,6X,1' ,9 TOTAL TOTLOST',88(' '),
          8510 FORMAT(2X,12,4X,9(17),18,2X,18)
          8520 FORMAT(88(' '),TOTAL -->',9(17),18,2X,18)
          GO TO 999
          C
0109          C*****INPUT ERROR AND END OF FILE ROUTINES*****
0110          C
0111          910 WRITE (6,2700) KOUNT
          GO TO 999
          920 NGRADE = GRADE - 1
          GO TO 991
          930 WRITE (6,2900)
          GO TO 50
          950 WRITE (6,2920)
          GO TO 50
          991 CONTINUE
          C
          902 WRITE(6,902) NGRADE
          902 FORMAT(' YOU HAVE READ IN DATA FOR ',12,' PAYGRADES.')
          GO TO 901
          999 STOP
          END
          FOR01450
          FOR01460
          FOR01470
          FOR01480
          FOR01490
          FOR01500
          FOR01510
          FOR01520
          FOR01530
          FOR01540
          FOR01550
          FOR01560
          FOR01570
          FOR01580
          FOR01590
          FOR01600
          FOR01610
          FOR01620
          FOR01630
          FOR01640
          FOR01650
          FOR01660
          FOR01670
          FOR01680
          FOR01690
          FOR01700
          FOR01710
          FOR01720
          FOR01730
          FOR01740
          FOR01750
          FOR01760
          FOR01770
          FOR01780
          FOR01790
          FOR01800
          FOR01810
          FOR01820
          FOR01830
          FOR01840
          FOR01850

```

SUBPROGRAMS CALLED

| SYMBOL
1BCOM# | LOCATION
180 | SYMBOL
LDFIC# | LOCATION
184 | SYMBOL
DAYTIM | LOCATION
188 | SYMBOL | LOCATION | SYMBOL | LOCATION |
|------------------|-----------------|------------------|-----------------|------------------|-----------------|--------------------|-----------------|------------------|-----------------|
| SYMBOL
YES | LOCATION
1C0 | SYMBOL
NO | LOCATION
1C4 | SYMBOL
KOUNT | LOCATION
1C8 | SYMBOL
INF FILE | LOCATION
1CC | SYMBOL
OUTPUT | LOCATION
1D0 |
| FIRST | 1D4 | LAST | 1D8 | MONTH | 1DC | DAY | 1E0 | YEAR | 1E4 |
| 1F8 | 1F0 | MIN | 1EC | SEC | 1F0 | GRADE | 1F4 | I | 1F8 |
| 1FC | 1FC | TOTAL | 200 | TLOST | 204 | YOSLOS | 208 | NGRADE | 20C |
| | | | | | | | | | |
| SYMBOL
TITLE1 | LOCATION
210 | SYMBOL
TITLE2 | LOCATION
314 | SYMBOL
LABEL1 | LOCATION
418 | SYMBOL
LAP'L2 | LOCATION
62C | SYMBOL
SUMNUM | LOCATION
914 |
| RNUM | 1378 | FORM2 | 1DDC | CSUM | 22C8 | RSUM4 | 2314 | COLSUM | 23A0 |
| FILE | 23EC | | | | | | | | |
| | | | | | | | | | |
| SYMBOL | LOCATION | SYMBOL | LOCATION | SYMBOL | LOCATION | SYMBOL | LOCATION | SYMBOL | LOCATION |
| 1050 | 8174 | 1100 | 817A | 1200 | 818E | 1998 | 8197 | 2700 | 81B1 |
| 2900 | 8208 | 2920 | 827E | 3000 | 82D6 | 3100 | 82DC | 8500 | 82E4 |
| 8510 | 8361 | 8520 | 8374 | 902 | 8393 | | | | |

FORMAT STATEMENT MAP

| LOCATION | STA NUM | LABEL | STATEMENT | LABEL MAP | LOCATION | STA NUM | LABEL | LOCATION | STA NUM | LABEL |
|----------|---------|-------|-----------|-----------|----------|---------|-------|----------|---------|-------|
| 008A8 | 6 | | | 008A8 | 008A8 | 7 | | 008A8 | 8 | |
| 008A9 | 9 | 50 | | 008A9 | 008A9 | 10 | | 008A9 | 11 | |
| 008AA | 12 | | | 008AA | 008AA | 13 | | 008AA | 14 | |
| 008AB | 15 | | | 008AB | 008AB | 16 | | 008AB | 17 | 100 |
| 008AC | 18 | | | 008AC | 008AC | 19 | | 008AC | 20 | |
| 008AD | 21 | 200 | | 008AD | 008AD | 22 | | 008AD | 23 | |
| 008AE | 24 | | | 008AE | 008AE | 25 | | 008AE | 26 | |
| 008AF | 27 | 300 | | 008AF | 008AF | 28 | 400 | 008AF | 29 | |
| 008AG | 30 | | | 008AG | 008AG | 31 | | 008AG | 32 | 600 |
| 008AH | 33 | | | 008AH | 008AH | 34 | | 008AH | 35 | |
| 008AI | 36 | 700 | | 008AI | 008AI | 37 | | 008AI | 38 | 6000 |
| 008AJ | 39 | | | 008AJ | 008AJ | 40 | | 008AJ | 41 | |
| 008AK | 42 | 6100 | | 008AK | 008AK | 43 | | 008AK | 44 | |
| 008AL | 45 | | | 008AL | 008AL | 46 | | 008AL | 47 | |
| 008AM | 48 | | | 008AM | 008AM | 49 | | 008AM | 50 | 6200 |
| 008AN | 51 | | | 008AN | 008AN | 52 | | 008AN | 53 | 6300 |
| 008AO | 54 | 6400 | | 008AO | 008AO | 55 | | 008AO | 56 | |
| 008AP | 57 | | | 008AP | 008AP | 58 | | 008AP | 59 | 6500 |
| 008AQ | 60 | 6500 | | 008AQ | 008AQ | 61 | 6750 | 008AQ | 62 | |
| 008AR | 63 | | | 008AR | 008AR | 64 | 6800 | 008AR | 65 | 6900 |
| 008AS | 66 | 900 | | 008AS | 008AS | 68 | 901 | 008AS | 69 | |
| 008AT | 70 | | | 008AT | 008AT | 71 | | 008AT | 72 | 7000 |
| 008AU | 73 | 7100 | | 008AU | 008AU | 74 | | 008AU | 75 | |
| 008AV | 76 | | | 008AV | 008AV | 77 | | 008AV | 78 | |
| 008AW | 79 | 8000 | | 008AW | 008AW | 80 | 8100 | 008AW | 81 | |
| 008AX | 82 | | | 008AX | 008AX | 83 | | 008AX | 84 | 8300 |
| 008AY | 85 | 8200 | | 008AY | 008AY | 86 | | 008AY | 87 | |
| 008AZ | 88 | | | 008AZ | 008AZ | 89 | | 008AZ | 90 | |
| 008BA | 91 | | | 008BA | 008BA | 92 | | 008BA | 93 | |
| 008BB | 94 | | | 008BB | 008BB | 95 | 8400 | 008BB | 96 | 910 |
| 008BC | 97 | | | 008BC | 008BC | 111 | 8700 | 008BC | 112 | |
| 008BD | 113 | | | 008BD | 008BD | 114 | 920 | 008BD | 115 | 950 |
| 008BE | 116 | 930 | | 008BE | 008BE | 117 | | 008BE | 118 | 999 |
| 008BF | 119 | | | 008BF | 008BF | 122 | 991 | 008BF | 123 | |

OPTIONS IN EFFECT TERM, NOID, EBCDIC, SOURCE, NOLIST, MODECK, LOAD, MAP, NOTEST
 OPTIONS IN EFFECT NAME = MAIN
 STATISTICS SOURCE STATEMENTS = 50
 STATISTICS NO DIAGNOSTICS GENERATED 124, PROGRAM SIZE = 36482

Attachment 4b(1a) to Appendix J
Sample Output from FORCGRAD

FORCE CONFIGURATION (FORMAT 2)
ARMY CURRENT OBJ ENLISTED

| YR/GRADE | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | TOTAL | TOTLOST |
|-----------|---|---|--------|--------|--------|-------|-------|-------|------|--------|---------|
| 1 | 0 | 0 | 132314 | 0 | 0 | 0 | 0 | 0 | 0 | 132314 | 16817 |
| 2 | 0 | 0 | 67758 | 47739 | 0 | 0 | 0 | 0 | 0 | 115497 | 9001 |
| 3 | 0 | 0 | 23370 | 77927 | 5199 | 0 | 0 | 0 | 0 | 106496 | 54691 |
| 4 | 0 | 0 | 5775 | 28769 | 17261 | 0 | 0 | 0 | 0 | 51805 | 20251 |
| 5 | 0 | 0 | 0 | 11298 | 20256 | 0 | 0 | 0 | 0 | 31554 | 3245 |
| 6 | 0 | 0 | 0 | 5361 | 22273 | 675 | 0 | 0 | 0 | 28309 | 3458 |
| 7 | 0 | 0 | 0 | 3548 | 19217 | 2086 | 0 | 0 | 0 | 24851 | 2776 |
| 8 | 0 | 0 | 0 | 2391 | 12656 | 6974 | 54 | 0 | 0 | 22075 | 2985 |
| 9 | 0 | 0 | 0 | 1679 | 6444 | 10893 | 74 | 0 | 0 | 19090 | 2349 |
| 10 | 0 | 0 | 0 | 1314 | 3736 | 11475 | 216 | 0 | 0 | 16741 | 2483 |
| 11 | 0 | 0 | 0 | 0 | 2515 | 11305 | 438 | 0 | 0 | 14258 | 1183 |
| 12 | 0 | 0 | 0 | 0 | 1911 | 9206 | 1924 | 34 | 0 | 13075 | 800 |
| 13 | 0 | 0 | 0 | 0 | 1559 | 7345 | 3317 | 54 | 0 | 12275 | 903 |
| 14 | 0 | 0 | 0 | 0 | 1223 | 4684 | 5382 | 83 | 0 | 11372 | 477 |
| 15 | 0 | 0 | 0 | 0 | 1091 | 3481 | 6177 | 146 | 0 | 10895 | 407 |
| 16 | 0 | 0 | 0 | 0 | 1018 | 2670 | 6504 | 296 | 0 | 10488 | 314 |
| 17 | 0 | 0 | 0 | 0 | 964 | 2503 | 6377 | 619 | 11 | 10174 | 274 |
| 18 | 0 | 0 | 0 | 0 | 926 | 1993 | 5868 | 1098 | 15 | 9900 | 323 |
| 19 | 0 | 0 | 0 | 0 | 889 | 1879 | 4751 | 2034 | 24 | 9577 | 359 |
| 20 | 0 | 0 | 0 | 0 | 841 | 1773 | 3881 | 2580 | 43 | 9218 | 3686 |
| 21 | 0 | 0 | 0 | 0 | 495 | 1013 | 1535 | 2407 | 79 | 5532 | 2107 |
| 22 | 0 | 0 | 0 | 0 | 0 | 645 | 568 | 2056 | 156 | 3425 | 871 |
| 23 | 0 | 0 | 0 | 0 | 0 | 463 | 339 | 1457 | 295 | 2554 | 886 |
| 24 | 0 | 0 | 0 | 0 | 0 | 0 | 225 | 857 | 586 | 1668 | 501 |
| 25 | 0 | 0 | 0 | 0 | 0 | 0 | 135 | 432 | 600 | 1167 | 133 |
| 26 | 0 | 0 | 0 | 0 | 0 | 0 | 112 | 306 | 616 | 1034 | 297 |
| 27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 183 | 554 | 737 | 189 |
| 28 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 101 | 447 | 548 | 136 |
| 29 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 65 | 347 | 412 | 89 |
| 30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 51 | 272 | 323 | 313 |
| 31 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 10 | 1 |
| 32 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 9 | 1 |
| 33 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 8 | 1 |
| 34 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 7 | 1 |
| 35 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 6 | 6 |
| TOTAL --> | 0 | 0 | 229217 | 180026 | 120477 | 80763 | 47877 | 14959 | 4085 | 677404 | 132314 |

RUN DATE: 1/10/84

Attachment 4b(2) to Appendix J
LOSSDATA Program Listing

[illegible]

18/27/06

DATE = 84004

MAIN

RELEASE 2.0

FORTRAM IV G1

```

0031 DO 200 I = 1,35
0032 READ (INFILE,1200) (FILE(I,J,GRADE),J = 1,19)
0033 CONTINUE
200 CONTINUE
C
C*****SUM COLUMNS 2,3,4,5,7.*****
C
DO 400 J = 2,7
  CSUM(J) = 0.0
  IF (J.EQ.6) GO TO 400
  DO 300 I = 1,35
    CSUM(J) = CSUM(J) + FILE(I,J,GRADE)
  300 CONTINUE
  400 CONTINUE
C*****
C SUM ROWS (ONLY THOSE FIELDS WITH LOSS RATE DATA)
C FILL FORM2 ARRAY WITH STRENGTH BY YOS DATA FOR EACH GRADE
C*****
DO 700 I = 1,35
  RSUM(I) = 0.0
  FORM2(I,GRADE) = FILE(I,2,GRADE)
  DO 600 J = 6,19
    IF (J.EQ.7) GO TO 600
    RSUM(I) = RSUM(I) + FILE(I,J,GRADE)
  600 CONTINUE
  700 CONTINUE
C*****
C CONVERT THE RATES OF FORMAT 3 INTO RAW NUMBERS
C SUM ROWS AND COLUMNS --> ROW SUM = YOS STRENGTH
C*****
DO 6100 I = 1,35
  DO 6000 J = 6,19
    IF (J.EQ.7) GO TO 6000
    RNUM(I,J) = FILE(I,2,GRADE) * FILE(I,J,GRADE)
  6000 CONTINUE
  6100 CONTINUE
DO 6400 I = 1,35
  RNUM(I,1) = FILE(I,1,GRADE)
  RNUM(I,2) = 0.
  RNUM(I,7) = FILE(I,7,GRADE)
  DO 6200 J = 6,19
    IF (J.EQ.7) GO TO 6200
    RNUM(I,2) = RNUM(I,2) + RNUM(I,J)
  6200 CONTINUE
  DO 6300 J = 3,5
    RNUM(I,J) = FILE(I,J,GRADE)
  6300 CONTINUE
  6400 CONTINUE
  DO 6600 J = 2,19

```

LOS00490
 LOS00500
 LOS00510
 LOS00520
 LOS00530
 LOS00540
 LOS00550
 LOS00560
 LOS00570
 LOS00580
 LOS00590
 LOS00600
 LOS00610
 LOS00620
 LOS00630
 LOS00640
 LOS00650
 LOS00660
 LOS00670
 LOS00680
 LOS00690
 LOS00700
 LOS00710
 LOS00720
 LOS00730
 LOS00740
 LOS00750
 LOS00760
 LOS00770
 LOS00780
 LOS00790
 LOS00800
 LOS00810
 LOS00820
 LOS00830
 LOS00840
 LOS00850
 LOS00860
 LOS00870
 LOS00880
 LOS00890
 LOS00900
 LOS00910
 LOS00920
 LOS00930
 LOS00940
 LOS00950
 LOS00960

```

0068      COLSUM(J) = 0.
0069      DO 6500 I = 1,35
0070          COLSUM(J) = COLSUM(J) + RNUM(I,J)
0071      CONTINUE
0072 6500 CONTINUE
C*****
C SUM THE NUMBER ARRAY OVER ALL GRADES AND
C LOAD FLOW RECONCILIATION ARRAY
C*****
0073 6750 DO 6900 I = 1,35
0074     DO 6800 J = 2,19
0075         SUMNUM(I,J) = SUMNUM(I,J) + RNUM(I,J)
0076     CONTINUE
0077 6900 CONTINUE
0078 900 CONTINUE
C
C*****COMPUTE RETIREMENTS, ATTRITIONS, AND TOTAL LOSSES*****
0079 901 IDEATH = 0.
0080     TOTRET = 0.
0081     TOTATT = 0.
0082     TOTLOS = 0.
0083     DO 6930 I = 1,35
0084         RETIRE(I) = 0.
0085         ATTRIT(I) = 0.
0086         DEATH(I) = SUMNUM(I,11)
0087         ALOSS(I) = DEATH(I)
0088     DO 6910 J = 12,15
0089         RETIRE(I) = RETIRE(I) + SUMNUM(I,J)
0090         ALOSS(I) = ALOSS(I) + SUMNUM(I,J)
0091     CONTINUE
0092     TOTRET = TOTRET + RETIRE(I)
0093     DO 6920 J = 16,19
0094         ATTRIT(I) = ATTRIT(I) + SUMNUM(I,J)
0095         ALOSS(I) = ALOSS(I) + SUMNUM(I,J)
0096     CONTINUE
0097     TOTATT = TOTATT + ATTRIT(I)
0098     TOTLOS = TOTLOS + ALOSS(I)
0099     IDEATH = IDEATH + DEATH(I)
0100 6930 CONTINUE
C
C*****SUM THE COLUMNS OF SUMNUM ARRAY*****
0101 DO 7100 J = 2,19
0102     COLSUM(J) = 0.
0103     DO 7000 I = 1,35
0104         COLSUM(J) = COLSUM(J) + SUMNUM(I,J)
0105     CONTINUE

```

LOS00970
 LOS00980
 LOS00990
 LOS01000
 LOS01010
 LOS01020
 LOS01030
 LOS01040
 LOS01050
 LOS01060
 LOS01070
 LOS01080
 LOS01090
 LOS01100
 LOS01110
 LOS01120
 LOS01130
 LOS01140
 LOS01150
 LOS01160
 LOS01170
 LOS01180
 LOS01190
 LOS01200
 LOS01210
 LOS01220
 LOS01230
 LOS01240
 LOS01250
 LOS01260
 LOS01270
 LOS01280
 LOS01290
 LOS01300
 LOS01310
 LOS01320
 LOS01330
 LOS01340
 LOS01350
 LOS01360
 LOS01370
 LOS01380
 LOS01390
 LOS01400
 LOS01410
 LOS01420
 LOS01430
 LOS01440

```

0106      7100 CONTINUE
C*****
C  COMPUTE ROW AND COLUMN SUMS FOR FORMAT 2
C  C AND AVERAGE YOS (EXPERIENCE)
C*****
      TRNOVR = 0.
      SUMA = 0.
      TOTAL = 0.
      DO 8100 J = 1,9
        CSUM(J) = 0.
        DO 8000 I = 1,35
          CSUM(J) = CSUM(J) + FORM2(I,J)
        CONTINUE
      8000 CONTINUE
      8100 CONTINUE
      DO 8300 I = 1,35
        RSUM(I) = 0.
        AVGYOS(I) = 0.
        DO 8200 J = 1,9
          RSUM(I) = RSUM(I) + FORM2(I,J)
        CONTINUE
      8200 CONTINUE
      SUMA = SUMA + RSUM(I) * I
      TOTAL = TOTAL + RSUM(I)
      IF(RSUM(I) .LT. 1.0) GO TO 8300
      AVGYOS(I) = ((SUMA / TOTAL) - 0.5)
      TRNOVR = AMAX1(TRNOVR,AVGYOS(I))
      8300 CONTINUE
C
C***** WRITE LOSS TABLE TO DISK *****
C
      WRITE (TODISK,8611) TITLEI
      DO 8601 I = 1,35
        WRITE (TODISK,8621) I,(SUMNUM(I,J),J=2,5),SUMNUM(I,8),
1 SUMNUM(I,9),SUMNUM(I,10),RETIRE(I),ATTRIT(I),DEATH(I),ALOSS(I)
      8601 CONTINUE
      WRITE (TODISK,8631) (COLSUM(J),J=2,5),(COLSUM(J),J=8,10),
1 TOTRET,TOTATT,IDEATH,TOTLOS
      WRITE (TODISK,1998)MONTH,DAY,YEAR
      8701 CONTINUE
C
C*****READ FORMAT STATEMENTS*****
C
      1025 FORMAT(1A4)
      1050 FORMAT(65A1)
      1100 FORMAT(12,4F7.0,F7.4,F7.0,3F7.4)
      1200 FORMAT(2X,9F7.4)
C*****WRITE FORMAT STATEMENTS*****
C

```


SUBPROGRAMS CALLED

| SYMBOL
FBCOM# | LOCATION
TA0 | SYMBOL
LDFIO# | LOCATION
TA4 | SYMBOL
DAYTTH | LOCATION
TA8 | SYMBOL
AMAXI | LOCATION
TAC | SYMBOL | LOCATION |
|------------------|-----------------|------------------|-----------------|------------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| SYMBOL
YES | LOCATION
1D0 | SYMBOL
NO | LOCATION
1D4 | SYMBOL
I | LOCATION
1D8 | SYMBOL
J | LOCATION
1DC | SYMBOL
KOUNT | LOCATION
1EO |
| INF FILE | 1E4 | TODISK | 1E8 | FIRST | 1EC | LAST | 1F0 | MONTH | 1F4 |
| DA-' | 1F8 | YEAR | 1FC | HOUR | 200 | MIN | 204 | SEC | 208 |
| GRADE | 20C | TDEATH | 210 | TOTRET | 214 | TOTATT | 218 | TOTLOS | 21C |
| TRNOVR | 220 | SUMA - | 224 | TOTAL | 228 | NGRADE | 22C | | |

SCALAR MAP

ARRAY MAP

| SYMBOL
FILE | LOCATION
230 | SYMBOL
SUMNUM | LOCATION
5FB4 | SYMBOL
RNUM | LOCATION
GA18 | SYMBOL
FORM2 | LOCATION
747C | SYMBOL
TITLE1 | LOCATION
7968 |
|----------------|-----------------|------------------|------------------|----------------|------------------|-----------------|------------------|------------------|------------------|
| TITLE2 | 7A6C | LABEL1 | 7B70 | LABEL2 | 7078 | CSUM | 806C | RSUM | 8088 |
| COLSUM | 8144 | AVGYOS | 8190 | RETIRE | 821C | ATTRIT | 82A8 | ALOSS | 8334 |
| DEATH | 83C0 | | | | | | | | |

FORMAT STATEMENT MAP

| SYMBOL | LOCATION | SYMBOL | LOCATION | SYMBOL | LOCATION |
|--------|----------|--------|----------|--------|----------|
| 1025 | 8450 | 1100 | 8456 | 1230 | 8470 |
| 2700 | 8493 | 2900 | 84ED | 30C0 | 85B8 |
| 8611 | 85C6 | 8621 | 8715 | 902 | 8743 |

| LOCATION | STA NUM | LABEL | STATEMENT | LABEL MAP | LOCATION | STA NUM | LABEL | LOCATION | STA NUM | LABEL |
|----------|---------|-------|-----------|-----------|----------|---------|-------|----------|---------|-------|
| 008890 | 8 | | | 0088A4 | 0088B6 | 10 | | 0088B6 | 10 | |
| 0088C2 | 11 | | | 0088CA | 0088E2 | 13 | 10 | 0088E2 | 13 | |
| 0088F0 | 14 | | | 0088FC | 008914 | 15 | 20 | 008914 | 16 | 30 |
| 008934 | 17 | | | 008940 | 008948 | 18 | | 008948 | 19 | |
| 008950 | 21 | 50 | | 00897C | 008986 | 22 | | 008986 | 23 | |
| 0089B0 | 24 | | | 0089E8 | 008A0C | 25 | | 008A0C | 26 | |
| 008A30 | 27 | | | 008A40 | 008A90 | 28 | | 008A90 | 29 | 100 |
| 008AAC | 30 | | | 008ACC | 008ADC | 31 | | 008ADC | 32 | |
| 008B2C | 33 | 200 | | 008B48 | 008B5C | 34 | | 008B5C | 35 | |
| 008B68 | 36 | | | 008B76 | 008B80 | 37 | | 008B80 | 38 | |
| 008B8C | 39 | 300 | | 008BA8 | 008BC8 | 41 | 400 | 008BC8 | 41 | |
| 008BD6 | 42 | | | 008BE6 | 008BF2 | 43 | | 008BF2 | 44 | |
| 008BFC | 45 | | | 008C0E | 008C22 | 46 | | 008C22 | 47 | 600 |
| 008C3E | 48 | 700 | | 008C5A | 008C68 | 49 | | 008C68 | 50 | |
| 008C75 | 51 | | | 008C88 | 008C98 | 52 | | 008C98 | 53 | 6000 |
| 008C84 | 54 | 6100 | | 008CD0 | 008CE2 | 55 | | 008CE2 | 56 | |
| 008CEA | 57 | | | 008CF6 | 008CFE | 58 | | 008CFE | 59 | |
| 008D08 | 60 | | | 008D1A | 008D26 | 61 | | 008D26 | 62 | 6200 |
| 008D42 | 63 | | | 008D50 | 008D60 | 64 | | 008D60 | 65 | 6300 |
| 008D78 | 66 | 6400 | | 008D98 | 008DAC | 67 | | 008DAC | 68 | |
| 008DB8 | 69 | | | 008DC2 | 008DCE | 70 | | 008DCE | 71 | 6500 |
| 008DEA | 72 | 6600 | | 008E0A | 008E1A | 73 | 6750 | 008E1A | 74 | |
| 008E28 | 75 | | | 008E34 | 008E50 | 76 | 6800 | 008E50 | 77 | 6900 |
| 008E6C | 78 | 900 | | 008EE0 | 008ED0 | 79 | 901 | 008ED0 | 80 | |
| 008ED8 | 81 | | | 008EE0 | 008EE8 | 82 | | 008EE8 | 83 | |
| 008EFC | 84 | | | 008F0C | 008F14 | 85 | | 008F14 | 86 | |
| 008F20 | 87 | | | 008F2C | 008F3A | 88 | | 008F3A | 89 | |
| 008F52 | 90 | | | 008F5E | 008F76 | 91 | 6910 | 008F76 | 92 | |
| 008F8A | 93 | | | 008F94 | 008FA0 | 94 | | 008FA0 | 95 | |
| 008FAC | 96 | 6920 | | 008FC8 | 008FD4 | 97 | | 008FD4 | 98 | |
| 008FE0 | 99 | | | 008FF4 | 00900C | 100 | 6930 | 00900C | 101 | |
| 009020 | 102 | 7000 | | 00902C | 009036 | 103 | | 009036 | 104 | |
| 009042 | 105 | | | 00905E | 00907E | 106 | 7100 | 00907E | 107 | |
| 00908A | 108 | | | 009092 | 00909A | 109 | | 00909A | 110 | |
| 0090AA | 111 | 8000 | | 0090B6 | 0090C0 | 112 | | 0090C0 | 113 | |
| 0090CC | 114 | | | 0090E8 | 009108 | 115 | 8100 | 009108 | 116 | |
| 00911C | 117 | | | 009128 | 009130 | 118 | | 009130 | 119 | |
| 00913A | 120 | | | 009146 | 009162 | 121 | 8200 | 009162 | 122 | |
| 00918E | 123 | | | 00919A | 0091A8 | 124 | | 0091A8 | 125 | |
| 0091B8 | 126 | | | 0091D2 | 0091F2 | 127 | 8300 | 0091F2 | 128 | |
| 009214 | 129 | | | 009230 | 0092D8 | 130 | | 0092D8 | 131 | 8601 |
| 0092F0 | 132 | | | 00938C | 0093B8 | 133 | | 0093B8 | 148 | 8701 |
| 0093BE | 149 | 910 | | 0093DC | 0093E2 | 150 | | 0093E2 | 151 | 920 |
| 0093F2 | 152 | | | 0093F8 | 00940C | 153 | 930 | 00940C | 154 | |
| 009412 | 155 | 950 | | 009428 | 00942E | 156 | | 00942E | 158 | 991 |

FORTAN IV G1 RELEASE 2.0

MAIN

DATE = 84004

18/27/06

PAGE 0008

0094HC 160

OPTIONS IN EFFECT TERM,NOID,EBDCIC, SOURCE, NOLIST, NODECK, LOAD, MAP, NOTEST
OPTIONS IN EFFECT NAME = MAIN 161 999
STATISTICS SOURCE STATEMENTS = , LINECNT = 50
STATISTICS NO DIAGNOSTICS GENERATED 162, PROGRAM SIZE = 37984

Attachment 4b(2a) to Appendix J
Sample Output from LOSSDATA

ACCESSION, REMAIN IN SERVICE AND LOSS TABLE
ARMY CURRENT OBJ ENLISTED

| YOS | STRENGTH | TO SERVICE | GAINS | | OTHER CATGRY | XFER OTHER | REMAIN IN SERVICE | | PROMOTE OUT | LOSSES TO SERVICE | | | TOTAL LOSSES |
|-------------------|----------|------------|-------|---|--------------|------------|-------------------|--------------|-------------|-------------------|---------|-------|--------------|
| | | | | | | | XFER OPGM | REMAIN GRADE | | RETIRE | ATTRITE | DEATH | |
| 1 | 132314 | 132314 | | | 0 | 0 | 26 | 67758 | 47739 | 93 | 16632 | 66 | 16791 |
| 2 | 115497 | 0 | 0 | 0 | 0 | 0 | 94 | 62444 | 44051 | 137 | 8606 | 165 | 8907 |
| 3 | 106496 | 0 | 0 | 0 | 0 | 0 | 37 | 32924 | 18880 | 801 | 53397 | 455 | 54654 |
| 4 | 51805 | 0 | 0 | 0 | 0 | 0 | 51 | 23228 | 8326 | 119 | 20042 | 39 | 20200 |
| 5 | 31354 | 0 | 0 | 0 | 0 | 0 | 51 | 22862 | 5447 | 31 | 3140 | 23 | 3194 |
| 6 | 28309 | 0 | 0 | 0 | 0 | 0 | 66 | 22221 | 2630 | 80 | 3262 | 51 | 3393 |
| 7 | 24851 | 0 | 0 | 0 | 0 | 0 | 87 | 16139 | 5936 | 34 | 2633 | 22 | 2689 |
| 8 | 22075 | 0 | 0 | 0 | 0 | 0 | 97 | 13848 | 5242 | 81 | 2779 | 28 | 2888 |
| 9 | 19090 | 0 | 0 | 0 | 0 | 0 | 90 | 14390 | 2351 | 61 | 2165 | 33 | 2259 |
| 10 | 16741 | 0 | 0 | 0 | 0 | 0 | 132 | 13088 | 1170 | 41 | 2287 | 23 | 2351 |
| 11 | 14258 | 0 | 0 | 0 | 0 | 0 | 85 | 11099 | 1976 | 78 | 984 | 37 | 1098 |
| 12 | 13375 | 0 | 0 | 0 | 0 | 0 | 82 | 10499 | 1776 | 35 | 656 | 27 | 718 |
| 13 | 12275 | 0 | 0 | 0 | 0 | 0 | 74 | 8786 | 2586 | 87 | 722 | 20 | 829 |
| 14 | 11372 | 0 | 0 | 0 | 0 | 0 | 93 | 9670 | 1225 | 52 | 318 | 14 | 384 |
| 15 | 10895 | 0 | 0 | 0 | 0 | 0 | 40 | 9591 | 897 | 65 | 288 | 14 | 368 |
| 16 | 10488 | 0 | 0 | 0 | 0 | 0 | 37 | 9399 | 776 | 60 | 198 | 18 | 277 |
| 17 | 10174 | 0 | 0 | 0 | 0 | 0 | 19 | 9225 | 675 | 64 | 159 | 32 | 254 |
| 18 | 9900 | 0 | 0 | 0 | 0 | 0 | 9 | 8521 | 1056 | 76 | 175 | 62 | 313 |
| 19 | 9577 | 0 | 0 | 0 | 0 | 0 | 4 | 8395 | 822 | 103 | 227 | 26 | 356 |
| 20 | 9218 | 0 | 0 | 0 | 0 | 0 | 0 | 4559 | 972 | 3681 | 0 | 6 | 3687 |
| 21 | 5532 | 0 | 0 | 0 | 0 | 0 | 0 | 2772 | 654 | 2105 | 0 | 2 | 2107 |
| 22 | 3425 | 0 | 0 | 0 | 0 | 0 | 0 | 2265 | 289 | 869 | 0 | 2 | 871 |
| 23 | 2554 | 0 | 0 | 0 | 0 | 0 | 0 | 1275 | 393 | 882 | 0 | 4 | 886 |
| 24 | 1668 | 0 | 0 | 0 | 0 | 0 | 0 | 964 | 203 | 497 | 0 | 4 | 501 |
| 25 | 1167 | 0 | 0 | 0 | 0 | 0 | 0 | 940 | 94 | 133 | 0 | 0 | 133 |
| 26 | 1034 | 0 | 0 | 0 | 0 | 0 | 0 | 675 | 62 | 287 | 0 | 10 | 297 |
| 27 | 737 | 0 | 0 | 0 | 0 | 0 | 0 | 512 | 36 | 189 | 0 | 0 | 189 |
| 28 | 548 | 0 | 0 | 0 | 0 | 0 | 0 | 404 | 8 | 135 | 0 | 1 | 136 |
| 29 | 412 | 0 | 0 | 0 | 0 | 0 | 0 | 319 | 4 | 89 | 0 | 0 | 89 |
| 30 | 323 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 0 | 312 | 0 | 1 | 313 |
| 31 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 0 | 1 | 0 | 0 | 1 |
| 32 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 0 | 1 | 0 | 0 | 1 |
| 33 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 0 | 1 | 0 | 0 | 1 |
| 34 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 1 | 0 | 0 | 1 |
| 35 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 0 | 6 |
| TOT-> 577402 | | 132314 | 0 | 0 | 0 | 0 | 1176 | 389811 | 156275 | 11288 | 118668 | 1184 | 131140 |
| RUN DATE: 1/10/84 | | | | | | | | | | | | | |

RUN DATE: 1/10/84

Attachment 4c(1) to Appendix J
AGGFORM3 EXEC

J-185

1/57

&CONTROL OFF NOMSG

&IF &\$ EQ DEBUG &CONTROL ALL

&IF &INDEX = 1 &IF &1 = ? &GOTO -TELL

&IF &INDEX = 1 &IF &1 = HELP &GOTO -TELL

DISPCL

EXEC CLRSTAK

GLOBAL TXTLIB FORTMOD1

&GOTO -START

-TELL DISPCL

&BEGTYPE

+*AGGFORM3 RUNS THE AGGFORT FORTRAN PROGRAM.

+ IT CREATES A TOTAL SERVICE FORMAT THREE FROM

+ THE CONCATENATED FILE OF FORMAT THREES BY

+ OCCUPATION GROUPS.

+ I.E. THE NINE OCCGROUPS OF ACE09CAT ARE

+ AGGREGATED INTO ACE10CAT.

+*TERMINAL INPUT RESPONSES TO THE FORTRAN

+ PROGRAM ARE HARD WIRED IN &STACK COMMD:

+ => &OCCGRP = # OF OCCGRPS IN THE FILE

+ => &NGRADE = # OF GRADES IN THE FILE

+* CMS COMMANDS:

+ - LINK TO USERID FILE MODE = B

+ - INPUT FILE 10 = &FNAME &FTYPE B (LRECL 80

+ - OUTPUT FILE 20 = &FNOUT &FTYPE A (LRECL 80

+ R. SCHREIBER 26JUL83

&END

&TYPE DO YOU WISH TO CONTINUE ? (YES|NO)

&READ VARS &RESPONSE

&RESPONSE = &SUBSTR &RESPONSE 1 1

&IF &RESPONSE NE Y &EXIT

-START &TYPE ENTER USERID WHERE FLOW DYNAMIC DATA EXISTS (8 CHAR MAX)

&READ VARS &ID

EXEC LINKUPB &ID

&IF &RETCODE NE 0 &GOTO -ERR01

-RESTART DISPCL

&SPACE 2

&BEGTYPE

ENTER FILENAME OF DATA SET TO AGGREGATE (EG. ACE09CAT)

&END

&READ VARS &FNAME

&SPACE 2

&BEGTYPE

ENTER FILETYPE OF DATA SET TO AGGRGATE (EG. FILEBILD)

&END

&READ VARS &FTYPE

STATE &FNAME &FTYPE B

&IF &RETCODE NE 0 &GOTO -ERR02

&SRVC = &SUBSTR &FNAME 1 1

J-186

```

&FORCE = &SUBSTR &FNAME 2 1
&POP   = &SUBSTR &FNAME 3 1
&OCCODE = &SUBSTR &FNAME 4 2
&TAIL  = &SUBSTR &FNAME 6 3
&IF &POP EQ E &FNOUT = &CONCAT &SRVC &FORCE &POP 10 &TAIL
&IF &POP EQ O &FNOUT = &CONCAT &SRVC &FORCE &POP 14 &TAIL
&IF &SRVC EQ D &FNOUT = &CONCAT &SRVC &FORCE &POP 01 &TAIL
&IF &POP EQ E &NGRADE = 9
&IF &POP EQ O &NGRADE = 6
FILEDEF 02 PRINTER (RECFM FA LRECL 132 BLKSIZE 133 PERM
FILEDEF 05 'TERMINAL
FILEDEF 10 DISK &FNAME &FTYPE B (LRECL 80 RECFM FB BLKSIZE 800
FILEDEF 20 DISK &FNOUT &FTYPE A (LRECL 80 RECFM FB BLKSIZE 800
&STACK &OCCODE
&STACK &NGRADE
AGGMOD
&SPACE 2
EXEC CLRSTAK
&TYPE FILE &FNOUT &FTYPE HAS BEEN CREATED ON YOUR A-DISK.
&TYPE DO YOU WANT TO RUN ANOTHER FILE ? (YES|NO).
&READ VARS &ANS2
&ANS2 = &SUBSTR &ANS2 1 1
&IF &ANS2 EQ N &GOTO -QUIT
&GOTO -RESTART
-QUIT &CONTINUE
REL B ( DET
&BEGTYPE
PROGRAM TERMINATED...
&END
&EXIT
** ERROR MESSAGES **
-ERR01 &TYPE USERID &ID IS NOT CORRECT
&GOTO -START
-ERR02 &TYPE FILE &FNAME &FTYPE DOES NOT LIVE ON &ID 'S B-DISK
&GOTO -QUIT

```

Attachment 4c(2) to Appendix J
AGGFORT Program Listing

18/25/05

DATE = 84004

MAIN

RELEASE 2.0

FORTAN IV G1

```

C*****
C** CREATE AGGREGATE FORMAT 3 **
C
C PROGRAM TO READ FORMAT 3 DATA BY OCCGRP, CONVERT THE LOSS RATES
C INTO STRENGTHS, ADD THE STRENGTHS BY GRADE FOR EACH OCCGRP, AND
C THEN COMPUTE AN AGGREGATE FORMAT 3 LOSS RATE TABLE BY GRADE.
C
C I = LENGTH OF SERVICE
C J = FORMAT 3 COLUMN NUMBER
C K = PAY GRADE
C L = OCCUPATIONAL GROUP
C
C*NOTE:
C EXEC 'AGGFORM3' IS USED TO INITIATE THIS PROGRAM.
C MODULE 'AGGMOD' IS CALLED BY THE EXEC.
C
C VERSION: 1.0 BY: R. SCHREIBER DATE: 19JUL83
C*****
C
C INTEGER OCCODE, OCCGRP, OUTPUT
C DIMENSION FILE(35,18,9), SUM(35,18,9)
C DIMENSION TITLE1(65), TITLE2(65), LABEL1(130), LABEL2(189)
C DATA SUM/5670*0.0/
C KOUNT = 0
C INFILE = 10
C OUTPUT = 20
C
C----- READ NUMBER OF OCCUPATIONAL GROUPS, GRADES FROM TERM'L STACK-----
C
C READ (5,*) OCCODE, NGRADE
C DO 400 L = 1, OCCODE
C READ (INFILE,1050) TITLE1
C KOUNT = KOUNT + 1
C
C----- READ THE DATA FROM THE FILE, PROCESS A GRADE AT A TIME-----
C
C DO 300 K = 1, NGRADE
C READ (INFILE,1050) TITLE2
C READ (INFILE,3000) LABEL1
C KOUNT = KOUNT + 3
C DO 100 I = 1, 35
C READ (INFILE,1100) (FILE(I,J,K), J = 1,9)
C KOUNT = KOUNT + 1
C DO 75 J = 1, 6
C IF (J .EQ. 5) GO TO 75
C SUM(I,J,K) = SUM(I,J,K) + FILE(I,J,K)
C CONTINUE
C DO 85 J = 5, 9
C IF (J .EQ. 6) GO TO 85
C SUM(I,J,K) = SUM(I,J,K) + (FILE(I,J,K) * FILE(I,1,K))
C CONTINUE

```

0001
0002
0003
0004
0005
0006
0007

0008
0009
0010
0011

0012
0013
0014
0015
0016
0017
0018
0019
0020
0021
0022
0023
0024
0025
0026

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DATE = 84004

MAIN

FORTRAN IV G1 RELEASE 2.0

```

0027      100      CONTINUE
0028      READ (INFILE,3100) LABEL2
0029      KOUNT = KOUNT + 3
0030      DO 200 I = 1,35
0031      READ (INFILE,1200) (FILE(I,J,K),J = 10,18)
0032      KOUNT = KOUNT + 1
0033      DO 150 J = 10,18
0034      SUM(I,J,K) = SUM(I,J,K) + (FILE(I,J,K) * FILE(I,1,K))
0035      CONTINUE
0036      CONTINUE
0037      CONTINUE
0038      400      CONTINUE

0039      C----- CREATE NEW FORMAT 3 LOSS RATE TABLE (LOSS STREN / LOS MANPWR)
0040      C
0041      GO 500 K = 1,NGRADE
0042      DO 475 I = 1,35
0043      DO 425 J = 1,6
0044      IF (J.EQ.5) GO TO 425
0045      FILE(I,J,K) = SUM(I,J,K)
0046      CONTINUE
0047      DO 450 J = 5,18
0048      IF (J.EQ.6) .OR. (SUM(I,1,K).LT. 1.0)) GO TO 450
0049      FILE(I,J,K) = SUM(I,J,K) / SUM(I,1,K)
0050      CONTINUE
0051      450      CONTINUE
0052      500      CONTINUE
0053      C----- WRITE THE NEW FORMAT 3 TO DISK
0054      C
0055      WRITE(OUTPUT,1050) (TITLE1(N),N = 1,26)
0056      DO 600 K = 1,NGRADE
0057      WRITE(OUTPUT,2000) (TITLE1(N),N = 1,26),K
0058      WRITE(OUTPUT,3000) (LABEL1(N),N = 1,65)
0059      WRITE(OUTPUT,3000) (LABEL1(N),N = 66,130)
0060      DO 550 I = 1,35
0061      WRITE(OUTPUT,2100) I,(FILE(I,J,K),J = 1,9)
0062      CONTINUE
0063      WRITE(OUTPUT,3100) (LABEL2(N),N = 1,63)
0064      WRITE(OUTPUT,3100) (LABEL2(N),N = 64,126)
0065      WRITE(OUTPUT,3100) (LABEL2(N),N = 127,189)
0066      DO 575 I = 1,35
0067      WRITE(OUTPUT,2200) I, (FILE(I,J,K),J = 10,18)
0068      CONTINUE
0069      CALL DISPCAL
0070      WRITE(5,5000) KOUNT
0071      C

```

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FORTRAM IV G1

AGG00970
AGG00980
AGG00990
AGG01000
AGG01010
AGG01020
AGG01030
AGG01040
AGG01050
AGG01060
AGG01070
AGG01080
AGG01090
AGG01100
AGG01110
AGG01120

```

C----- READ FORMAT STATEMENTS -----
C
1050 FORMAT(65A1)
1100 FORMAT(2X,4F7.0,F7.4,F7.0,3F7.4)
1200 FORMAT(2X,9F7.4)
C
C----- WRITE FORMAT STATEMENTS -----
C
2000 FORMAT(26A1,' PAY GRADE ',11)
2100 FORMAT(12,4F7.0,F7.4,F7.0,3F7.4)
2200 FORMAT(12,9F7.4)
3000 FORMAT(65A1)
3100 FORMAT(2X,63A1)
5000 FORMAT(1X,16,' RECORDS HAVE BEEN READ.' )
999 STOP
END

```

0068
0069
0070

0071
0072
0073
0074
0075
0076
0077
0078

[illegible]

| LOCATION | STA NUM | LABEL | STATEMENT | LABEL MAP | LOCATION | STA NUM | LABEL | LOCATION | STA NUM | LABEL |
|----------|---------|-------|-----------|-----------|----------|---------|-------|----------|---------|-------|
| 00BA04 | 5 | | | 00BAE0 | 6 | | | 00BAE8 | 7 | |
| 00BAF0 | 8 | | | 00BB14 | 9 | | | 00BB1C | 10 | |
| 00BB3C | 11 | | | 00BB4C | 12 | | | 00BB64 | 13 | |
| 00BB84 | 14 | | | 00BB84 | 15 | | | 00BB84 | 16 | |
| 00BB84 | 17 | | | 00BB84 | 18 | | | 00BB84 | 19 | |
| 00BB84 | 20 | | | 00BB84 | 21 | | | 00BB84 | 22 | |
| 00BB84 | 23 | | | 00BB84 | 24 | | | 00BB84 | 25 | |
| 00BB84 | 26 | | | 00BB84 | 27 | | | 00BB84 | 28 | |
| 00BB84 | 29 | | | 00BB84 | 30 | | | 00BB84 | 31 | |
| 00BB84 | 32 | | | 00BB84 | 33 | | | 00BB84 | 34 | |
| 00BB84 | 35 | | | 00BB84 | 36 | | | 00BB84 | 37 | |
| 00BB84 | 38 | | | 00BB84 | 39 | | | 00BB84 | 40 | |
| 00BB84 | 41 | | | 00BB84 | 42 | | | 00BB84 | 43 | |
| 00BB84 | 44 | | | 00BB84 | 45 | | | 00BB84 | 46 | |
| 00BB84 | 47 | | | 00BB84 | 48 | | | 00BB84 | 49 | |
| 00BB84 | 50 | | | 00BB84 | 51 | | | 00BB84 | 52 | |
| 00BB84 | 53 | | | 00BB84 | 54 | | | 00BB84 | 55 | |
| 00BB84 | 56 | | | 00BB84 | 57 | | | 00BB84 | 58 | |
| 00BB84 | 59 | | | 00BB84 | 60 | | | 00BB84 | 61 | |
| 00BB84 | 62 | | | 00BB84 | 63 | | | 00BB84 | 64 | |
| 00BB84 | 65 | | | 00BB84 | 66 | | | 00BB84 | 67 | |
| 00BB84 | 77 | | | 00BB84 | 78 | | | 00BB84 | 79 | |
| 00BB84 | 85 | | | 00BB84 | 86 | | | 00BB84 | 87 | |
| 00BB84 | 100 | | | 00BB84 | 101 | | | 00BB84 | 102 | |
| 00BB84 | 150 | | | 00BB84 | 151 | | | 00BB84 | 152 | |
| 00BB84 | 200 | | | 00BB84 | 201 | | | 00BB84 | 202 | |
| 00BB84 | 400 | | | 00BB84 | 401 | | | 00BB84 | 402 | |
| 00BB84 | 425 | | | 00BB84 | 426 | | | 00BB84 | 427 | |
| 00BB84 | 500 | | | 00BB84 | 501 | | | 00BB84 | 502 | |
| 00BB84 | 600 | | | 00BB84 | 601 | | | 00BB84 | 602 | |
| 00BB84 | 999 | | | 00BB84 | 999 | | | 00BB84 | 999 | |

OPTIONS IN EFFECT TERM, NOID, EBCDIC, SOURCE, NOLIST, NODECK, LOAD, MAP, NOTEST

OPTIONS IN EFFECT NAME = MAIN

STATISTICS SOURCE STATEMENTS = 78, PROGRAM SIZE = 49838

STATISTICS NO DIAGNOSTICS GENERATED

APPENDIX K FORCE REQUIREMENTS



COL CARL F. REIBER, USA

FORCE REQUIREMENTS

The attached tables reflect the current objective and baseline steady-state force structures that were submitted by each of the Uniformed Services. The data are displayed by total force, total force losses, and flow reconciliation for each of the personnel communities (commissioned officer, officer, warrant officer, and enlisted personnel). The total force display depicts the configuration of each individual community by grade and year of service. Total force losses explain the losses by year of service and the reason for the loss. The flow reconciliation display depicts both the gains and the losses by year of service, by grade and by reason the reason for the loss.

APPENDIX K

 * ARMY CURRENT OBJ OFFICERS--12 CATEGORIES (REVISED 23 MAY) *
 * FILENAME= AC012CAT CURRENT *
 * DATE= 12/16/83 *
 * TIME= 14:55:28 *

***** TOTAL FORCE DISPLAY *****

| YOS | G:TO | G:OTH | GRD-1 | GRD-2 | GRD-3 | GRD-4 | GRD-5 | GRD-6 | GRD-7 | GRD-8 | GRD-9 | GRD10 | TOTAL LOSSES | LOSS | RETN | CONT | |
|--------------|-------|-------|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|--------------|-------|--------|--------|---------|
| 1 | 7734. | 0. | 6738. | 31. | 964. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 7734. | 174. | 0.0225 | 0.9775 | 1.0000 |
| 2 | 24. | 0. | 5923. | 672. | 988. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 7583. | 335. | 0.0442 | 0.9558 | 0.9775 |
| 3 | 30. | 0. | 6318. | 5113. | 956. | 4. | 0. | 0. | 0. | 0. | 0. | 0. | 7278. | 708. | 0.0973 | 0.9027 | 0.9342 |
| 4 | 35. | 0. | 0. | 5113. | 1470. | 21. | 0. | 0. | 0. | 0. | 0. | 0. | 6604. | 876. | 0.1326 | 0.8674 | 0.8433 |
| 5 | 23. | 0. | 0. | 218. | 5461. | 72. | 1. | 0. | 0. | 0. | 0. | 0. | 5752. | 813. | 0.1413 | 0.8587 | 0.7315 |
| 6 | 15. | 0. | 0. | 0. | 4712. | 240. | 2. | 0. | 0. | 0. | 0. | 0. | 4954. | 490. | 0.0990 | 0.9010 | 0.6281 |
| 7 | 18. | 0. | 0. | 0. | 4219. | 255. | 7. | 1. | 0. | 0. | 0. | 0. | 4482. | 424. | 0.0946 | 0.9054 | 0.5659 |
| 8 | 18. | 0. | 0. | 0. | 3766. | 297. | 11. | 1. | 0. | 0. | 0. | 0. | 4076. | 276. | 0.0677 | 0.9323 | 0.5124 |
| 9 | 17. | 0. | 0. | 0. | 3521. | 268. | 23. | 4. | 0. | 0. | 0. | 0. | 3817. | 137. | 0.0360 | 0.9640 | 0.4777 |
| 10 | 17. | 0. | 0. | 0. | 3305. | 325. | 53. | 4. | 0. | 0. | 0. | 0. | 3696. | 193. | 0.0522 | 0.9478 | 0.4605 |
| 11 | 20. | 0. | 0. | 0. | 1972. | 1460. | 87. | 4. | 0. | 0. | 0. | 0. | 3523. | 329. | 0.0932 | 0.9068 | 0.4365 |
| 12 | 11. | 0. | 0. | 0. | 537. | 2524. | 141. | 4. | 0. | 0. | 0. | 0. | 3206. | 241. | 0.0752 | 0.9248 | 0.3958 |
| 13 | 7. | 0. | 0. | 0. | 223. | 2690. | 142. | 8. | 0. | 0. | 0. | 0. | 2972. | 160. | 0.0540 | 0.9460 | 0.3660 |
| 14 | 9. | 0. | 0. | 0. | 54. | 2606. | 138. | 24. | 0. | 0. | 0. | 0. | 2821. | 166. | 0.0589 | 0.9411 | 0.3463 |
| 15 | 2. | 0. | 0. | 0. | 0. | 2431. | 196. | 30. | 0. | 0. | 0. | 0. | 2657. | 282. | 0.1063 | 0.8937 | 0.3259 |
| 16 | 2. | 0. | 0. | 0. | 0. | 1898. | 430. | 48. | 0. | 0. | 0. | 0. | 2376. | 112. | 0.0471 | 0.9529 | 0.2912 |
| 17 | 2. | 0. | 0. | 0. | 0. | 625. | 1583. | 58. | 0. | 0. | 0. | 0. | 2266. | 133. | 0.0586 | 0.9414 | 0.2775 |
| 18 | 2. | 0. | 0. | 0. | 0. | 322. | 1718. | 96. | 0. | 0. | 0. | 0. | 2135. | 121. | 0.0519 | 0.9481 | 0.2613 |
| 19 | 0. | 0. | 0. | 0. | 0. | 273. | 1659. | 92. | 0. | 0. | 0. | 0. | 2024. | 123. | 0.0606 | 0.9394 | 0.2477 |
| 20 | 0. | 0. | 0. | 0. | 0. | 212. | 1583. | 107. | 0. | 0. | 0. | 0. | 1902. | 468. | 0.2463 | 0.7537 | 0.2327 |
| 21 | 0. | 0. | 0. | 0. | 0. | 0. | 1141. | 292. | 0. | 0. | 0. | 0. | 1433. | 275. | 0.1920 | 0.8080 | 0.1754 |
| 22 | 0. | 0. | 0. | 0. | 0. | 0. | 664. | 494. | 0. | 0. | 0. | 0. | 1158. | 196. | 0.1696 | 0.8304 | 0.1417 |
| 23 | 0. | 0. | 0. | 0. | 0. | 0. | 381. | 581. | 0. | 0. | 0. | 0. | 962. | 127. | 0.1317 | 0.8683 | 0.1177 |
| 24 | 0. | 0. | 0. | 0. | 0. | 0. | 220. | 615. | 0. | 0. | 0. | 0. | 835. | 137. | 0.1641 | 0.8359 | 0.1022 |
| 25 | 0. | 0. | 0. | 0. | 0. | 0. | 152. | 546. | 0. | 0. | 0. | 0. | 698. | 107. | 0.1535 | 0.8465 | 0.0854 |
| 26 | 0. | 0. | 0. | 0. | 0. | 0. | 109. | 482. | 0. | 0. | 0. | 0. | 591. | 102. | 0.1721 | 0.8279 | 0.0723 |
| 27 | 0. | 0. | 0. | 0. | 0. | 0. | 81. | 408. | 0. | 0. | 0. | 0. | 489. | 87. | 0.1786 | 0.8214 | 0.0598 |
| 28 | 0. | 0. | 0. | 0. | 0. | 0. | 60. | 342. | 0. | 0. | 0. | 0. | 402. | 139. | 0.3471 | 0.6529 | 0.0492 |
| 29 | 0. | 0. | 0. | 0. | 0. | 0. | 3. | 259. | 0. | 0. | 0. | 0. | 262. | 79. | 0.3023 | 0.6977 | 0.0321 |
| 30 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 183. | 0. | 0. | 0. | 0. | 183. | 181. | 0.9911 | 0.0089 | 0.0224 |
| 31 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 1. | 0. | 0.2500 | 0.7500 | 0.0002 |
| 32 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 1. | 1. | 1.0000 | 0.0 | 0.0001 |
| 33 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0.0 | 1.0000 | 0.0 |
| 34 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0.0 | 1.0000 | 0.0 |
| 35 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0.0 | 1.0000 | 0.0 |
| TOT | 7986. | 0. | 12662. | 12352. | 32149. | 16434. | 10591. | 4684. | 0. | 0. | 0. | 0. | 88872. | 7985. | 0.0898 | 0.9102 | 11.1298 |
| AVERAGE YOS | | | 0.97 | 2.89 | 6.45 | 12.95 | 18.51 | 23.71 | 0.0 | 0.0 | 0.0 | 0.0 | 8.72 | | | | |
| PRODUCTIVITY | | | 1481. | 7380. | 29598. | 16427. | 10591. | 4684. | 0. | 0. | 0. | 0. | 70161. | | | | |

 * ARMY CURRENT OBJ OFFICERS--12 CATEGORIES (REVISED 23 MAY) *
 * * FILENAME= AC012CAT CURRENT DATE= 12/16/83 TIME= 14:55:29 *

***** TOTAL FORCE LOSS DISPLAY *****

| YR | XPROTH | XPROFF | DEATH | RETDIS | RET | FC | RETVAL | RETINV | OTHDIS | OTH | FC | OTHVOL | OTHINV | PROMOUT | TOTALS |
|----|--------|--------|-------|--------|-----|-------|--------|--------|--------|-------|------|--------|--------|---------|--------|
| 1 | 0. | 0. | 10. | 2. | 0. | 0. | 0. | 0. | 7. | 1. | 5. | 58. | 92. | 0. | 174. |
| 2 | 0. | 0. | 19. | 13. | 0. | 0. | 0. | 0. | 18. | 24. | 24. | 156. | 106. | 0. | 335. |
| 3 | 0. | 0. | 20. | 9. | 0. | 0. | 0. | 0. | 19. | 46. | 46. | 478. | 136. | 0. | 708. |
| 4 | 0. | 0. | 2. | 6. | 0. | 0. | 0. | 0. | 3. | 11. | 11. | 772. | 82. | 0. | 876. |
| 5 | 0. | 0. | 12. | 14. | 0. | 0. | 0. | 0. | 1. | 79. | 79. | 669. | 38. | 0. | 813. |
| 6 | 0. | 0. | 4. | 4. | 0. | 0. | 0. | 0. | 1. | 3. | 3. | 463. | 14. | 0. | 420. |
| 7 | 0. | 0. | 6. | 4. | 0. | 0. | 0. | 0. | 2. | 2. | 2. | 388. | 19. | 0. | 424. |
| 8 | 0. | 0. | 4. | 3. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 237. | 31. | 0. | 276. |
| 9 | 0. | 0. | 0. | 2. | 0. | 0. | 0. | 0. | 1. | 3. | 3. | 121. | 10. | 0. | 137. |
| 10 | 0. | 0. | 3. | 4. | 0. | 0. | 0. | 0. | 2. | 8. | 8. | 160. | 14. | 0. | 193. |
| 11 | 0. | 0. | 2. | 3. | 0. | 0. | 0. | 0. | 3. | 69. | 69. | 171. | 38. | 0. | 329. |
| 12 | 0. | 0. | 3. | 3. | 0. | 0. | 0. | 0. | 1. | 24. | 24. | 106. | 68. | 0. | 241. |
| 13 | 0. | 0. | 4. | 4. | 0. | 0. | 0. | 0. | 1. | 9. | 9. | 70. | 13. | 0. | 160. |
| 14 | 0. | 0. | 6. | 2. | 0. | 0. | 0. | 0. | 1. | 20. | 20. | 51. | 17. | 0. | 166. |
| 15 | 0. | 0. | 4. | 10. | 0. | 0. | 0. | 0. | 3. | 16. | 16. | 57. | 61. | 0. | 282. |
| 16 | 0. | 0. | 5. | 4. | 0. | 0. | 0. | 0. | 2. | 15. | 15. | 18. | 11. | 0. | 112. |
| 17 | 0. | 0. | 2. | 5. | 0. | 0. | 0. | 0. | 1. | 4. | 4. | 29. | 23. | 0. | 133. |
| 18 | 0. | 0. | 3. | 6. | 0. | 0. | 0. | 0. | 2. | 2. | 2. | 22. | 12. | 0. | 111. |
| 19 | 0. | 0. | 2. | 3. | 0. | 0. | 0. | 0. | 1. | 7. | 7. | 12. | 6. | 0. | 123. |
| 20 | 0. | 0. | 7. | 16. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 5. | 4. | 0. | 468. |
| 21 | 0. | 0. | 2. | 4. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | 0. | 0. | 275. |
| 22 | 0. | 0. | 1. | 6. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | 0. | 11. | 196. |
| 23 | 0. | 0. | 1. | 4. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | 0. | 19. | 127. |
| 24 | 0. | 0. | 5. | 3. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | 0. | 10. | 137. |
| 25 | 0. | 0. | 2. | 1. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 6. | 107. |
| 26 | 0. | 0. | 2. | 5. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | 102. |
| 27 | 0. | 0. | 2. | 4. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | 87. |
| 28 | 0. | 0. | 1. | 5. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | 139. |
| 29 | 0. | 0. | 1. | 4. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | 79. |
| 30 | 0. | 0. | 0. | 4. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | 0. | 1. | 181. |
| 31 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 32 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 33 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 34 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 35 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| C. | 0. | 0. | 134. | 158. | 66. | 2224. | 103. | 68. | 346. | 4039. | 794. | 55. | 7985. | | |

82891.

6271. 1988. 71691. 2946.)---i

6271. 1988. 71691. 2946.)---i

RETIRED POPULATION

 * ARMY CURRENT! OBJ OFFICERS--12 CATEGORIES (REVISED 23 MAY) *
 * FILENAME= AC012CAT CURRENT *
 * DATE= 12/16/83 TIME= 14:55:30 *

***** CATEGORY= TOTAL FORCE *****

| ***** FLOW RECONCILIATION ***** | | | | | | | | | |
|---------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|----------|
| | GRADE-1 | GRADE-2 | GRADE-3 | GRADE-4 | GRADE-5 | GRADE-6 | GRADE-7 | GRADE-9 | GRADE-10 |
| BEGIN STRENGTH | 12662. | 12352. | 32149. | 16434. | 10591. | 4684. | 0. | 0. | 0. |
| ****LOSSES**** | | | | | | | | | |
| PROM-OUT | 6349. | 4931. | 3077. | 1934. | 759. | 55. | 0. | 0. | 0. |
| LOSS:XFR-OTH | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| LOSS:XFR-OFF | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| LOSS:DEATH | 28. | 22. | 33. | 20. | 18. | 12. | 0. | 0. | 0. |
| LOSS:RET-DIS | 14. | 15. | 38. | 27. | 39. | 25. | 0. | 0. | 0. |
| LOSS:RET-FC | 0. | 0. | 0. | 13. | 8. | 44. | 0. | 0. | 0. |
| LOSS:RET-VOL | 0. | 1. | 81. | 612. | 995. | 535. | 0. | 0. | 0. |
| LOSS:RET-INV | 0. | 0. | 0. | 13. | 27. | 63. | 0. | 0. | 0. |
| LOSS:OTH-DIS | 24. | 21. | 11. | 7. | 4. | 2. | 0. | 0. | 0. |
| LOSS:OTH-FC | 5. | 52. | 240. | 37. | 12. | 0. | 0. | 0. | 0. |
| LOSS:OTH-VOL | 156. | 1154. | 2229. | 381. | 99. | 27. | 0. | 0. | 0. |
| LOSS:OTH-INV | 180. | 210. | 252. | 131. | 15. | 5. | 0. | 0. | 0. |
| TOTAL LOSSES | 6750. | 6405. | 5960. | 3174. | 1977. | 769. | 0. | 0. | 0. |
| ****GAINS**** | | | | | | | | | |
| GAINS TO | 6750. | 56. | 1029. | 97. | 43. | 10. | 0. | 0. | 0. |
| GAINS OTHER | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| PROM-IN | 0. | 6349. | 4931. | 3077. | 1934. | 759. | 0. | 0. | 0. |
| TOTAL GAINS | 6750. | 6406. | 5960. | 3174. | 1977. | 769. | 0. | 0. | 0. |
| END STRENGTH | 12662. | 12352. | 32149. | 16434. | 10591. | 4685. | 0. | 0. | 0. |

 * NAVY OFFICER CURRENT STEADY STATE (DOPMA REV 2) DATE= 12/16/83 TIME= 14:55:49
 * FILENAME= NC013CAT CURRENT

***** TOTAL FORCE DISPLAY *****

| YOS | G:TO | G:OTH | GRD-1 | GRD-2 | GRD-3 | GRD-4 | GRD-5 | GRD-6 | GRD-7 | GRD-8 | GRD-9 | GRD10 | TOTAL LOSSES | LOSS | RETN | CONT | |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------------|------|--------|--------|--------|
| 1 | 4658. | 0. | 4653. | 5. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 4658. | 307. | 0.0660 | 0.9340 | 1.0000 |
| 2 | 2. | 153. | 4347. | 5. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 4352. | 45. | 0.0103 | 0.9897 | 0.9340 |
| 3 | 33. | 110. | 0. | 4340. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 4340. | 143. | 0.0329 | 0.9671 | 0.9244 |
| 4 | 52. | 233. | 0. | 4248. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 4248. | 468. | 0.1101 | 0.8899 | 0.8941 |
| 5 | 531. | 37. | 0. | 0. | 4311. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 4311. | 462. | 0.1072 | 0.8928 | 0.7956 |
| 6 | 33. | 93. | 0. | 0. | 3882. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 3882. | 473. | 0.1218 | 0.8782 | 0.7103 |
| 7 | 0. | 21. | 0. | 0. | 3409. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 3409. | 362. | 0.1062 | 0.8938 | 0.6238 |
| 8 | 2. | 17. | 0. | 0. | 3044. | 5. | 0. | 0. | 0. | 0. | 0. | 0. | 3049. | 241. | 0.0791 | 0.9209 | 0.5576 |
| 9 | 25. | 7. | 0. | 0. | 2726. | 105. | 0. | 0. | 0. | 0. | 0. | 0. | 2831. | 246. | 0.0868 | 0.9132 | 0.5134 |
| 10 | 182. | 4. | 0. | 0. | 2192. | 575. | 0. | 0. | 0. | 0. | 0. | 0. | 2768. | 288. | 0.1041 | 0.8959 | 0.4689 |
| 11 | 71. | 0. | 0. | 0. | 853. | 1697. | 0. | 0. | 0. | 0. | 0. | 0. | 2551. | 206. | 0.0809 | 0.9191 | 0.4200 |
| 12 | 52. | 4. | 0. | 0. | 642. | 1754. | 0. | 0. | 0. | 0. | 0. | 0. | 2396. | 415. | 0.1732 | 0.8268 | 0.3861 |
| 13 | 0. | 4. | 0. | 0. | 203. | 1778. | 0. | 0. | 0. | 0. | 0. | 0. | 1981. | 196. | 0.0987 | 0.9013 | 0.3192 |
| 14 | 21. | 4. | 0. | 0. | 51. | 1739. | 17. | 0. | 0. | 0. | 0. | 0. | 1807. | 112. | 0.0621 | 0.9379 | 0.2877 |
| 15 | 37. | 3. | 0. | 0. | 0. | 1633. | 98. | 0. | 0. | 0. | 0. | 0. | 1732. | 64. | 0.0368 | 0.9632 | 0.2698 |
| 16 | 34. | 3. | 0. | 0. | 0. | 1046. | 657. | 0. | 0. | 0. | 0. | 0. | 1703. | 84. | 0.0492 | 0.9508 | 0.2599 |
| 17 | 42. | 18. | 0. | 0. | 0. | 592. | 1069. | 0. | 0. | 0. | 0. | 0. | 1661. | 92. | 0.0555 | 0.9445 | 0.2471 |
| 18 | 13. | 12. | 0. | 0. | 0. | 459. | 1124. | 0. | 0. | 0. | 0. | 0. | 1582. | 99. | 0.0626 | 0.9374 | 0.2354 |
| 19 | 3. | 14. | 0. | 0. | 0. | 405. | 1080. | 3. | 0. | 0. | 0. | 0. | 1488. | 122. | 0.0819 | 0.9181 | 0.2188 |
| 20 | 6. | 0. | 0. | 0. | 0. | 339. | 968. | 65. | 0. | 0. | 0. | 0. | 1372. | 284. | 0.2070 | 0.7930 | 0.2009 |
| 21 | 0. | 0. | 0. | 0. | 0. | 133. | 869. | 86. | 0. | 0. | 0. | 0. | 1088. | 112. | 0.1026 | 0.8974 | 0.1593 |
| 22 | 0. | 0. | 0. | 0. | 0. | 80. | 471. | 425. | 0. | 0. | 0. | 0. | 976. | 145. | 0.1489 | 0.8511 | 0.1430 |
| 23 | 0. | 0. | 0. | 0. | 0. | 64. | 357. | 410. | 0. | 0. | 0. | 0. | 831. | 112. | 0.1350 | 0.8650 | 0.1217 |
| 24 | 0. | 0. | 0. | 0. | 0. | 52. | 271. | 396. | 0. | 0. | 0. | 0. | 719. | 113. | 0.1576 | 0.8424 | 0.1052 |
| 25 | 0. | 0. | 0. | 0. | 0. | 33. | 212. | 350. | 0. | 0. | 0. | 0. | 606. | 107. | 0.1771 | 0.8229 | 0.0887 |
| 26 | 0. | 0. | 0. | 0. | 0. | 0. | 162. | 337. | 0. | 0. | 0. | 0. | 498. | 114. | 0.2296 | 0.7704 | 0.0730 |
| 27 | 0. | 0. | 0. | 0. | 0. | 0. | 86. | 298. | 0. | 0. | 0. | 0. | 384. | 71. | 0.1837 | 0.8163 | 0.0562 |
| 28 | 0. | 0. | 0. | 0. | 0. | 0. | 57. | 256. | 0. | 0. | 0. | 0. | 313. | 57. | 0.1826 | 0.8174 | 0.0459 |
| 29 | 0. | 0. | 0. | 0. | 0. | 0. | 36. | 220. | 0. | 0. | 0. | 0. | 256. | 81. | 0.3152 | 0.6848 | 0.0375 |
| 30 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 175. | 0. | 0. | 0. | 0. | 175. | 68. | 0.3861 | 0.6139 | 0.0257 |
| 31 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 108. | 0. | 0. | 0. | 0. | 108. | 49. | 0.4518 | 0.5482 | 0.0158 |
| 32 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 59. | 0. | 0. | 0. | 0. | 59. | 6. | 0.1059 | 0.8941 | 0.0086 |
| 33 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 53. | 0. | 0. | 0. | 0. | 53. | 11. | 0.2137 | 0.7863 | 0.0077 |
| 34 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 42. | 0. | 0. | 0. | 0. | 42. | 16. | 0.3858 | 0.6142 | 0.0061 |
| 35 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 25. | 0. | 0. | 0. | 0. | 25. | 25. | 1.0000 | 0.0 | 0.0037 |

TOT 5797. 733. 9001. 8598. 21315. 12489. 7535. 3378. 0. 0. 0. 0. 62255. 5796. 0.0931 0.9069 10.7402
 AVERAGE YOS 0.98
 PRODUCTIVITY 1087. 2.99 7.01 13.60 19.19 25.22 0.0 0.0 0.0 0.0 9.35
 5357. 21315. 12489. 7535. 3318. 0. 0. 0. 0. 51101.

 * NAVY OFFICER CURRENT STEADY STATE (DOPMA REV 2) *
 * FILENAME= MCD13CAT CURRENT *
 * DATE= 12/16/83 TIME= 14:55:50 *

***** TOTAL FORCE LOSS DISPLAY *****

| YR | XFROTH | XFROFF | DEATH | RETDIS | RET | FC | RETOL | RETINV | OTHDIS | OTH | FC | OTHRVOL | OTHINV | PROMOUT | TOTALS |
|----|--------|--------|-------|--------|------|------|-------|--------|--------|-------|-------|---------|--------|---------|--------|
| 1 | 153. | 0. | 3. | 0. | 0. | 0. | 0. | 0. | 0. | 100. | 203. | 1. | 0. | 0. | 307. |
| 2 | 111. | 0. | 4. | 1. | 0. | 0. | 0. | 0. | 0. | 15. | 23. | 2. | 0. | 0. | 45. |
| 3 | 234. | 0. | 10. | 1. | 0. | 0. | 0. | 0. | 0. | 60. | 71. | 1. | 0. | 0. | 143. |
| 4 | 37. | 0. | 6. | 0. | 0. | 0. | 5. | 0. | 0. | 183. | 269. | 5. | 0. | 0. | 468. |
| 5 | 93. | 0. | 3. | 1. | 0. | 0. | 45. | 0. | 0. | 113. | 298. | 2. | 0. | 0. | 462. |
| 6 | 21. | 0. | 4. | 1. | 0. | 0. | 40. | 0. | 0. | 201. | 195. | 32. | 0. | 0. | 473. |
| 7 | 17. | 0. | 1. | 1. | 0. | 0. | 22. | 0. | 9. | 132. | 205. | 2. | 0. | 0. | 362. |
| 8 | 7. | 0. | 4. | 1. | 0. | 0. | 20. | 0. | 0. | 89. | 126. | 0. | 0. | 0. | 241. |
| 9 | 4. | 0. | 4. | 1. | 0. | 0. | 27. | 0. | 0. | 70. | 144. | 1. | 0. | 0. | 246. |
| 10 | 0. | 0. | 3. | 1. | 0. | 7. | 27. | 0. | 0. | 71. | 176. | 3. | 0. | 0. | 288. |
| 11 | 0. | 0. | 1. | 0. | 6. | 6. | 23. | 0. | 0. | 86. | 91. | 0. | 0. | 0. | 206. |
| 12 | 4. | 0. | 1. | 0. | 7. | 7. | 59. | 0. | 0. | 267. | 81. | 0. | 0. | 0. | 415. |
| 13 | 4. | 0. | 1. | 1. | 8. | 8. | 25. | 0. | 0. | 136. | 25. | 0. | 0. | 0. | 196. |
| 14 | 3. | 0. | 3. | 0. | 24. | 24. | 16. | 0. | 0. | 42. | 21. | 6. | 0. | 0. | 112. |
| 15 | 2. | 0. | 2. | 1. | 6. | 6. | 15. | 0. | 0. | 11. | 30. | 0. | 0. | 0. | 64. |
| 16 | 17. | 0. | 2. | 0. | 21. | 21. | 37. | 0. | 0. | 8. | 16. | 0. | 0. | 0. | 84. |
| 17 | 12. | 0. | 3. | 0. | 13. | 13. | 50. | 0. | 0. | 13. | 12. | 1. | 0. | 0. | 92. |
| 18 | 12. | 0. | 2. | 0. | 20. | 20. | 56. | 0. | 0. | 10. | 11. | 0. | 0. | 0. | 99. |
| 19 | 0. | 0. | 1. | 0. | 45. | 45. | 65. | 0. | 0. | 5. | 3. | 1. | 0. | 0. | 122. |
| 20 | 0. | 0. | 1. | 0. | 104. | 104. | 168. | 0. | 0. | 4. | 8. | 0. | 0. | 0. | 284. |
| 21 | 0. | 0. | 1. | 0. | 12. | 12. | 92. | 0. | 0. | 0. | 7. | 0. | 0. | 0. | 112. |
| 22 | 0. | 0. | 1. | 1. | 30. | 30. | 111. | 0. | 0. | 0. | 2. | 0. | 0. | 0. | 145. |
| 23 | 0. | 0. | 1. | 0. | 5. | 5. | 101. | 0. | 0. | 0. | 5. | 0. | 0. | 0. | 112. |
| 24 | 0. | 0. | 2. | 0. | 20. | 20. | 89. | 0. | 0. | 0. | 2. | 0. | 0. | 0. | 113. |
| 25 | 0. | 0. | 0. | 0. | 21. | 21. | 83. | 2. | 0. | 0. | 1. | 0. | 0. | 0. | 107. |
| 26 | 0. | 0. | 0. | 0. | 32. | 32. | 82. | 1. | 0. | 0. | 0. | 0. | 0. | 0. | 114. |
| 27 | 0. | 0. | 0. | 0. | 11. | 11. | 54. | 1. | 0. | 0. | 0. | 0. | 0. | 4. | 71. |
| 28 | 0. | 0. | 0. | 1. | 19. | 19. | 24. | 1. | 0. | 0. | 0. | 0. | 0. | 12. | 57. |
| 29 | 0. | 0. | 0. | 0. | 17. | 17. | 37. | 15. | 0. | 0. | 0. | 0. | 0. | 12. | 81. |
| 30 | 0. | 0. | 1. | 0. | 12. | 12. | 49. | 2. | 0. | 0. | 0. | 0. | 0. | 4. | 68. |
| 31 | 0. | 0. | 0. | 0. | 11. | 11. | 37. | 1. | 0. | 0. | 0. | 0. | 0. | 0. | 49. |
| 32 | 0. | 0. | 0. | 0. | 4. | 4. | 6. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 6. |
| 33 | 0. | 0. | 0. | 0. | 3. | 3. | 7. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 11. |
| 34 | 0. | 0. | 0. | 0. | 0. | 0. | 13. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 16. |
| 35 | 0. | 0. | 0. | 0. | 18. | 18. | 8. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 25. |
| | 733. | 0. | 65. | 10. | 476. | 476. | 1495. | 23. | 0. | 1616. | 2024. | 56. | 32. | 5796. | |

63970.

633-
)----

47827.
 63559.

15100.
)----

411.

RETIRED POPULATION

 * NAVY OFFICER CURRENT STEADY STATE (DOPMA REV 2) *
 * FILENAME= W0013CAT CURRENT *
 * DATE= 12/16/83 TIME= 14:55:52 *

***** CATEGORY= TOTAL FORCE *****

***** FLOW RECONCILIATION *****

| | GRADE-1 | GRADE-2 | GRADE-3 | GRADE-4 | GRADE-5 | GRADE-6 | GRADE-7 | GRADE-8 | GRADE-9 | GRADE-10 | TOTAL |
|----------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|--------|
| BEGIN STRENGTH | 9001. | 8598. | 21315. | 12489. | 7535. | 3318. | 0. | 0. | 0. | 0. | 62255. |
| ****LOSSES**** | | | | | | | | | | | |
| PROM-OUT | 4192. | 3743. | 1981. | 1146. | 516. | 32. | 0. | 0. | 0. | 0. | 11611. |
| LOSS:XFR-OTH | 264. | 271. | 141. | 47. | 9. | 0. | 0. | 0. | 0. | 0. | 733. |
| LOSS:XFR-OFF | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| LOSS:DEATH | 7. | 15. | 19. | 10. | 10. | 3. | 0. | 0. | 0. | 0. | 65. |
| LOSS:RET-DIS | 1. | 1. | 3. | 1. | 1. | 1. | 0. | 0. | 0. | 0. | 10. |
| LOSS:RET-FC | 0. | 0. | 24. | 243. | 152. | 58. | 0. | 0. | 0. | 0. | 476. |
| LOSS:RET-VOL | 0. | 5. | 237. | 342. | 510. | 402. | 0. | 0. | 0. | 0. | 1495. |
| LOSS:RET-INV | 0. | 0. | 0. | 1. | 13. | 9. | 0. | 0. | 0. | 0. | 23. |
| LOSS:OTH-DIS | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| LOSS:OTH-FC | 115. | 244. | 1029. | 210. | 18. | 0. | 0. | 0. | 0. | 0. | 1616. |
| LOSS:OTH-VOL | 226. | 340. | 1161. | 256. | 30. | 10. | 0. | 0. | 0. | 0. | 2024. |
| LOSS:OTH-INV | 4. | 5. | 46. | 2. | 0. | 0. | 0. | 0. | 0. | 0. | 56. |
| TOTAL LOSSES | 4808. | 4625. | 4641. | 2258. | 1259. | 516. | 0. | 0. | 0. | 0. | 18108. |
| ****GAINS**** | | | | | | | | | | | |
| GAINS TO | 4655. | 90. | 721. | 235. | 96. | 0. | 0. | 0. | 0. | 0. | 5797. |
| GAINS OTHER | 153. | 343. | 177. | 43. | 17. | 0. | 0. | 0. | 0. | 0. | 733. |
| PROM-IN | 0. | 4192. | 3743. | 1981. | 1146. | 516. | 0. | 0. | 0. | 0. | 11578. |
| TOTAL GAINS | 4808. | 4625. | 4641. | 2259. | 1259. | 516. | 0. | 0. | 0. | 0. | 18109. |
| END STRENGTH | 9001. | 8598. | 21315. | 12490. | 7535. | 3318. | 0. | 0. | 0. | 0. | 62256. |

* USMC OFFICER CURRENT OBJECTIVE FORCE (SIX CAT) *
* FILENAME= MC006CAT CURRENT *
* DATE= 12/16/83 *
* TIME= 14:56:13 *

***** TOTAL FORCE DISPLAY *****

| YOS | G:TO | G:OTH | GRD-1 | GRD-2 | GRD-3 | GRD-4 | GRD-5 | GRD-6 | GRD-7 | GRD-8 | GRD-9 | GRD10 | TOTAL LOSSES | LOSS | RETN | CONT | |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------------|------|--------|--------|--------|
| 1 | 1683. | 0. | 0. | 1683. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1683. | 20. | 0.0119 | 0.9881 | 1.0000 |
| 2 | 0. | 0. | 0. | 1663. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1663. | 21. | 0.0126 | 0.9874 | 0.9881 |
| 3 | 34. | 0. | 0. | 1676. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1676. | 175. | 0.1045 | 0.8955 | 0.9757 |
| 4 | 0. | 0. | 0. | 1392. | 109. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1501. | 249. | 0.1661 | 0.8339 | 0.8737 |
| 5 | 0. | 0. | 0. | 132. | 1120. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1252. | 141. | 0.1127 | 0.8873 | 0.7286 |
| 6 | 0. | 4. | 0. | 43. | 1072. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1115. | 199. | 0.1787 | 0.8213 | 0.6465 |
| 7 | 0. | 4. | 0. | 3. | 916. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 919. | 119. | 0.1295 | 0.8705 | 0.5310 |
| 8 | 0. | 4. | 0. | 0. | 804. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 804. | 84. | 0.1045 | 0.8955 | 0.4622 |
| 9 | 0. | 0. | 0. | 0. | 720. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 720. | 58. | 0.0806 | 0.9194 | 0.4139 |
| 10 | 0. | 0. | 0. | 0. | 616. | 46. | 0. | 0. | 0. | 0. | 0. | 0. | 662. | 44. | 0.0664 | 0.9336 | 0.3806 |
| 11 | 0. | 0. | 0. | 152. | 466. | 459. | 0. | 0. | 0. | 0. | 0. | 0. | 618. | 61. | 0.0987 | 0.9013 | 0.3553 |
| 12 | 0. | 0. | 0. | 0. | 98. | 432. | 0. | 0. | 0. | 0. | 0. | 0. | 557. | 102. | 0.1831 | 0.8169 | 0.3202 |
| 13 | 0. | 0. | 0. | 0. | 23. | 396. | 13. | 0. | 0. | 0. | 0. | 0. | 455. | 46. | 0.1011 | 0.8989 | 0.2616 |
| 14 | 0. | 0. | 0. | 0. | 0. | 380. | 12. | 0. | 0. | 0. | 0. | 0. | 409. | 17. | 0.0416 | 0.9584 | 0.2351 |
| 15 | 0. | 0. | 0. | 0. | 0. | 359. | 18. | 0. | 0. | 0. | 0. | 0. | 392. | 15. | 0.0382 | 0.9618 | 0.2254 |
| 16 | 0. | 0. | 0. | 0. | 0. | 105. | 258. | 0. | 0. | 0. | 0. | 0. | 377. | 14. | 0.0371 | 0.9629 | 0.2168 |
| 17 | 0. | 0. | 0. | 0. | 0. | 83. | 269. | 0. | 0. | 0. | 0. | 0. | 363. | 11. | 0.0303 | 0.9697 | 0.2087 |
| 18 | 0. | 0. | 0. | 0. | 0. | 78. | 268. | 0. | 0. | 0. | 0. | 0. | 352. | 6. | 0.0171 | 0.9829 | 0.2024 |
| 19 | 0. | 0. | 0. | 0. | 0. | 67. | 256. | 0. | 0. | 0. | 0. | 0. | 346. | 23. | 0.0663 | 0.9337 | 0.1989 |
| 20 | 0. | 0. | 0. | 0. | 0. | 24. | 215. | 0. | 0. | 0. | 0. | 0. | 323. | 84. | 0.2597 | 0.7403 | 0.1858 |
| 21 | 0. | 0. | 0. | 0. | 0. | 0. | 85. | 91. | 0. | 0. | 0. | 0. | 239. | 64. | 0.2670 | 0.7330 | 0.1375 |
| 22 | 0. | 0. | 0. | 0. | 0. | 0. | 59. | 102. | 0. | 0. | 0. | 0. | 175. | 15. | 0.0853 | 0.9147 | 0.1008 |
| 23 | 0. | 0. | 0. | 0. | 0. | 0. | 54. | 101. | 0. | 0. | 0. | 0. | 160. | 6. | 0.0372 | 0.9628 | 0.0922 |
| 24 | 0. | 0. | 0. | 0. | 0. | 0. | 38. | 91. | 0. | 0. | 0. | 0. | 154. | 26. | 0.1679 | 0.8321 | 0.0888 |
| 25 | 0. | 0. | 0. | 0. | 0. | 0. | 26. | 78. | 0. | 0. | 0. | 0. | 129. | 25. | 0.1939 | 0.8061 | 0.0739 |
| 26 | 0. | 0. | 0. | 0. | 0. | 0. | 18. | 57. | 0. | 0. | 0. | 0. | 104. | 29. | 0.2790 | 0.7210 | 0.0595 |
| 27 | 0. | 0. | 0. | 0. | 0. | 0. | 12. | 32. | 0. | 0. | 0. | 0. | 75. | 31. | 0.4135 | 0.5865 | 0.0429 |
| 28 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 21. | 0. | 0. | 0. | 0. | 44. | 23. | 0.5226 | 0.4774 | 0.0252 |
| 29 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 21. | 9. | 0.4286 | 0.5714 | 0.0120 |
| 30 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 12. | 0. | 0. | 0. | 0. | 12. | 12. | 1.0000 | 0.0000 | 0.0069 |
| 31 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1.0000 | 0.0000 |
| 32 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1.0000 | 0.0000 |
| 33 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1.0000 | 0.0000 |
| 34 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1.0000 | 0.0000 |
| 35 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1.0000 | 0.0000 |

TOI 1717. 12. 0. 6592. 5631. 2897. 1601. 583. 0. 0. 17303. 1729. 0.0999 0.9001 10.0075
AVERAGE YOS 0.0 2.01 6.80 13.42 19.22 24.25 0.0 0.0 0.0 0.0 7.82
PRODUCTIVITY 0. 2476. 5603. 2897. 1601. 583. 0. 0. 13159.

 * USMC OFFICER CURRENT OBJECTIVE FORCE (SIX CAT) *
 * FILENAME= MCO06CAT CURRENT *
 * DATE= 12/16/83 TIME= 14:56:15 *

***** TOTAL FORCE LOSS DISPLAY *****

| YR | XFROTH | XFROFF | DEATH | RETDIS | RET FC | RETVOL | RETINV | OTHDIS | OTH FC | OTHVOL | OTHINV | PROMOUT | TOTALS |
|----|--------|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| 1 | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 3. | 0. | 10. | 6. | 0. | 20. |
| 2 | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 1. | 0. | 13. | 6. | 0. | 21. |
| 3 | 0. | 0. | 3. | 1. | 0. | 0. | 0. | 7. | 0. | 162. | 2. | 0. | 175. |
| 4 | 0. | 0. | 5. | 1. | 1. | 4. | 0. | 4. | 0. | 233. | 1. | 0. | 249. |
| 5 | 0. | 0. | 3. | 2. | 12. | 7. | 0. | 3. | 9. | 115. | 2. | 0. | 141. |
| 6 | 0. | 0. | 4. | 2. | 12. | 7. | 0. | 3. | 18. | 153. | 0. | 0. | 199. |
| 7 | 0. | 0. | 2. | 2. | 3. | 7. | 0. | 1. | 2. | 102. | 0. | 0. | 119. |
| 8 | 0. | 0. | 1. | 3. | 0. | 4. | 0. | 2. | 0. | 74. | 0. | 0. | 84. |
| 9 | 0. | 0. | 0. | 2. | 1. | 4. | 0. | 2. | 0. | 49. | 0. | 0. | 58. |
| 10 | 0. | 0. | 0. | 1. | 4. | 8. | 0. | 0. | 0. | 31. | 0. | 0. | 44. |
| 11 | 0. | 0. | 2. | 2. | 3. | 14. | 0. | 1. | 4. | 35. | 0. | 0. | 61. |
| 12 | 0. | 0. | 3. | 3. | 2. | 13. | 0. | 1. | 37. | 43. | 0. | 0. | 102. |
| 13 | 0. | 0. | 0. | 5. | 1. | 11. | 0. | 1. | 13. | 14. | 0. | 0. | 46. |
| 14 | 0. | 0. | 0. | 1. | 0. | 9. | 0. | 0. | 0. | 7. | 0. | 0. | 17. |
| 15 | 0. | 0. | 2. | 0. | 0. | 8. | 0. | 0. | 0. | 5. | 0. | 0. | 15. |
| 16 | 0. | 0. | 1. | 0. | 4. | 6. | 0. | 0. | 0. | 3. | 0. | 0. | 14. |
| 17 | 0. | 0. | 0. | 0. | 2. | 7. | 0. | 0. | 0. | 2. | 0. | 0. | 11. |
| 18 | 0. | 0. | 0. | 2. | 0. | 4. | 0. | 0. | 0. | 0. | 0. | 0. | 6. |
| 19 | 0. | 0. | 0. | 1. | 2. | 20. | 0. | 0. | 0. | 0. | 0. | 0. | 23. |
| 20 | 0. | 0. | 0. | 1. | 15. | 68. | 0. | 0. | 0. | 0. | 0. | 0. | 84. |
| 21 | 0. | 0. | 0. | 2. | 20. | 42. | 0. | 0. | 0. | 0. | 0. | 0. | 64. |
| 22 | 0. | 0. | 0. | 2. | 4. | 9. | 0. | 0. | 3. | 0. | 0. | 0. | 15. |
| 23 | 0. | 0. | 0. | 2. | 2. | 2. | 0. | 0. | 0. | 0. | 0. | 0. | 6. |
| 24 | 0. | 0. | 0. | 1. | 3. | 22. | 0. | 0. | 0. | 0. | 0. | 0. | 26. |
| 25 | 0. | 0. | 0. | 3. | 4. | 18. | 0. | 0. | 0. | 0. | 0. | 0. | 25. |
| 26 | 0. | 0. | 0. | 0. | 4. | 17. | 0. | 0. | 0. | 0. | 0. | 8. | 29. |
| 27 | 0. | 0. | 0. | 1. | 4. | 23. | 0. | 0. | 0. | 0. | 0. | 3. | 31. |
| 28 | 0. | 0. | 0. | 1. | 10. | 12. | 0. | 0. | 0. | 0. | 0. | 0. | 23. |
| 29 | 0. | 0. | 0. | 0. | 3. | 6. | 0. | 0. | 0. | 0. | 0. | 0. | 9. |
| 30 | 0. | 0. | 0. | 0. | 8. | 4. | 0. | 0. | 0. | 0. | 0. | 0. | 12. |
| 31 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 32 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 33 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 34 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 35 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |

0. 28. 42. 114. 352. 0. 30. 83. 1052. 17. 11. 1729.

RETIRED POPULATION 1573. 3649. 11521. 0. 16844.

1573. 3649. 11521. 0. j----i

 * USMC OFFICER CURRENT OBJECTIVE FORCE (SIX CAT) *
 * FILENAME= MC006CAT CURRENT *
 * DATE= 12/16/83 TIME= 14:56:15 *

 * CATEGORY= TOTAL FORCE *****

 * FLOW RECONCILIATION *****

| | GRADE-1 | GRADE-2 | GRADE-3 | GRADE-4 | GRADE-5 | GRADE-6 | GRADE-7 | GRADE-8 | GRADE-9 | GRADE-10 | TOTAL |
|------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|--------|
| BEGIN STRENGTH | 0. | 6592. | 5631. | 2897. | 1601. | 583. | 0. | 0. | 0. | 0. | 17303. |
| *****LOSSES***** | | | | | | | | | | | |
| PROM-OUT | 0. | 1197. | 503. | 282. | 104. | 11. | 0. | 0. | 0. | 0. | 2097. |
| LOSS:XFR-OTH | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| LOSS:XFR-OFF | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| LOSS:DEATH | 0. | 10. | 12. | 6. | 9. | 6. | 0. | 0. | 0. | 0. | 28. |
| LOSS:RET-DIS | 0. | 3. | 19. | 5. | 9. | 0. | 0. | 0. | 0. | 0. | 42. |
| LOSS:RET-FC | 0. | 12. | 9. | 38. | 37. | 18. | 0. | 0. | 0. | 0. | 114. |
| LOSS:RET-VOL | 0. | 1. | 39. | 111. | 133. | 69. | 0. | 0. | 0. | 0. | 352. |
| LOSS:RET-INV | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| LOSS:OTH-DIS | 0. | 17. | 13. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 30. |
| LOSS:OTH-FC | 0. | 29. | 54. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 83. |
| LOSS:OTH-VOL | 0. | 433. | 557. | 61. | 0. | 0. | 0. | 0. | 0. | 0. | 1052. |
| LOSS:OTH-INV | 0. | 15. | 2. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 17. |
| TOTAL LOSSES | 0. | 1717. | 1209. | 503. | 292. | 104. | 0. | 0. | 0. | 0. | 3815. |
| *****GAINS***** | | | | | | | | | | | |
| GAINS TO | 0. | 1717. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1717. |
| GAINS OTHER | 0. | 0. | 12. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 12. |
| PROM-IN | 0. | 1197. | 1197. | 503. | 282. | 104. | 0. | 0. | 0. | 0. | 2086. |
| TOTAL GAINS | 0. | 1717. | 1209. | 503. | 282. | 104. | 0. | 0. | 0. | 0. | 3815. |
| END STRENGTH | 0. | 6592. | 5631. | 2897. | 1601. | 583. | 0. | 0. | 0. | 0. | 17303. |

 * AIR FORCE CURRENT OBJECTIVE OFFICERS--11 CATEGORIES
 * FILENAME= FC011CAT CURRENT
 * DATE= 12/16/83
 * TIME= 14:56:51

***** TOTAL FORCE DISPLAY *****

| YOS | G:TO | G:OTH | GRD-1 | GRD-2 | GRD-3 | GRD-4 | GRD-5 | GRD-6 | GRD-7 | GRD-8 | GRD-9 | GRD10 | TOTAL LOSSES | LOSS | RETN | CONT |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------------|--------|--------|--------|
| 1 | 8205. | 0. | 7178. | 202. | 736. | 90. | 0. | 0. | 0. | 0. | 0. | 0. | 8205. | 0.0170 | 0.9830 | 1.0000 |
| 2 | 0. | 0. | 7046. | 201. | 729. | 90. | 0. | 0. | 0. | 0. | 0. | 0. | 8066. | 0.0292 | 0.9708 | 0.9830 |
| 3 | 0. | 0. | 0. | 6914. | 841. | 76. | 0. | 0. | 0. | 0. | 0. | 0. | 7830. | 0.0562 | 0.9438 | 0.9543 |
| 4 | 0. | 0. | 0. | 6683. | 654. | 52. | 0. | 0. | 0. | 0. | 0. | 0. | 7390. | 0.1442 | 0.8558 | 0.9007 |
| 5 | 0. | 0. | 0. | 302. | 5975. | 47. | 0. | 0. | 0. | 0. | 0. | 0. | 6325. | 0.0800 | 0.9200 | 0.7708 |
| 6 | 0. | 0. | 0. | 146. | 5412. | 223. | 39. | 0. | 0. | 0. | 0. | 0. | 5819. | 0.1597 | 0.8403 | 0.7091 |
| 7 | 0. | 0. | 0. | 0. | 4615. | 239. | 36. | 0. | 0. | 0. | 0. | 0. | 4890. | 0.0980 | 0.9020 | 0.5959 |
| 8 | 0. | 0. | 0. | 0. | 4131. | 248. | 32. | 0. | 0. | 0. | 0. | 0. | 4411. | 0.0764 | 0.9236 | 0.5375 |
| 9 | 0. | 0. | 0. | 0. | 3779. | 266. | 29. | 0. | 0. | 0. | 0. | 0. | 4074. | 0.0644 | 0.9356 | 0.4965 |
| 10 | 0. | 0. | 0. | 0. | 3369. | 417. | 26. | 0. | 0. | 0. | 0. | 0. | 3811. | 0.0615 | 0.9385 | 0.4645 |
| 11 | 0. | 0. | 0. | 0. | 2360. | 1189. | 28. | 0. | 0. | 0. | 0. | 0. | 3577. | 0.0294 | 0.9706 | 0.4359 |
| 12 | 0. | 0. | 0. | 0. | 1326. | 1976. | 153. | 17. | 0. | 0. | 0. | 0. | 3472. | 0.0218 | 0.9782 | 0.4231 |
| 13 | 0. | 0. | 0. | 0. | 555. | 2662. | 163. | 16. | 0. | 0. | 0. | 0. | 3396. | 0.0199 | 0.9801 | 0.4139 |
| 14 | 0. | 0. | 0. | 0. | 327. | 2807. | 180. | 14. | 0. | 0. | 0. | 0. | 3329. | 0.0177 | 0.9823 | 0.4057 |
| 15 | 0. | 0. | 0. | 0. | 315. | 2710. | 232. | 13. | 0. | 0. | 0. | 0. | 3270. | 0.0205 | 0.9795 | 0.3985 |
| 16 | 0. | 0. | 0. | 0. | 297. | 2288. | 601. | 16. | 0. | 0. | 0. | 0. | 3203. | 0.0255 | 0.9745 | 0.3903 |
| 17 | 0. | 0. | 0. | 0. | 263. | 1472. | 1364. | 21. | 0. | 0. | 0. | 0. | 3121. | 0.0262 | 0.9738 | 0.3804 |
| 18 | 0. | 0. | 0. | 0. | 225. | 825. | 1894. | 95. | 0. | 0. | 0. | 0. | 3039. | 0.0247 | 0.9753 | 0.3704 |
| 19 | 0. | 0. | 0. | 0. | 190. | 688. | 1982. | 104. | 0. | 0. | 0. | 0. | 2964. | 0.0514 | 0.9486 | 0.3613 |
| 20 | 0. | 0. | 0. | 0. | 145. | 614. | 1826. | 227. | 0. | 0. | 0. | 0. | 2812. | 0.3027 | 0.6973 | 0.3427 |
| 21 | 0. | 0. | 0. | 0. | 0. | 0. | 1340. | 621. | 0. | 0. | 0. | 0. | 1961. | 0.2070 | 0.7930 | 0.2390 |
| 22 | 0. | 0. | 0. | 0. | 0. | 0. | 751. | 804. | 0. | 0. | 0. | 0. | 1555. | 0.1988 | 0.8012 | 0.1895 |
| 23 | 0. | 0. | 0. | 0. | 0. | 0. | 547. | 699. | 0. | 0. | 0. | 0. | 1246. | 0.1477 | 0.8523 | 0.1518 |
| 24 | 0. | 0. | 0. | 0. | 0. | 0. | 417. | 645. | 0. | 0. | 0. | 0. | 1062. | 0.2278 | 0.7722 | 0.1294 |
| 25 | 0. | 0. | 0. | 0. | 0. | 0. | 282. | 538. | 0. | 0. | 0. | 0. | 820. | 0.2181 | 0.7819 | 0.0999 |
| 26 | 0. | 0. | 0. | 0. | 0. | 0. | 198. | 443. | 0. | 0. | 0. | 0. | 641. | 0.2442 | 0.7558 | 0.0781 |
| 27 | 0. | 0. | 0. | 0. | 0. | 0. | 133. | 352. | 0. | 0. | 0. | 0. | 485. | 0.2554 | 0.7446 | 0.0591 |
| 28 | 0. | 0. | 0. | 0. | 0. | 0. | 90. | 271. | 0. | 0. | 0. | 0. | 361. | 0.4628 | 0.5372 | 0.0440 |
| 29 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 194. | 0. | 0. | 0. | 0. | 194. | 0.2802 | 0.7198 | 0.0236 |
| 30 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 140. | 0. | 0. | 0. | 0. | 140. | 1.0000 | 0.0 | 0.0170 |
| 31 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0.0 | 1.0000 | 0.0 |
| 32 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0.0 | 1.0000 | 0.0 |
| 33 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0.0 | 1.0000 | 0.0 |
| 34 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0.0 | 1.0000 | 0.0 |
| 35 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0.0 | 1.0000 | 0.0 |

TOT 8205. 14223. 36246. 18981. 12341. 5227. 0. 0. 0. 0. 0. 0. 0. 101465. 8205. 0.0809 0.9191 12.3659
 AVERAGE YOS 1.00 2.99 7.25 13.50 18.80 23.17 0.0 0.0 0.0 0.0 0.0 0.0 9.16
 PRODUCTIVITY 1761. 8967. 34380. 18772. 12341. 5227. 0. 0. 0. 0. 0. 0. 81449.

 * AIR FORCE CURRENT OBJECTIVE OFFICERS--11 CATEGORIES
 * FILENAME= F0011CAT CURRENT
 * DATE= 12/16/83
 * TIME= 14:56:52

***** TOTAL FORCE LOSS DISPLAY *****

| YR | XFROTH | XPROFF | DEATH | RETDIS | RET | FC | RETVOL | RETINV | OTHDIS | OTH | FC | OTRVOL | OTHINV | PRGMOUT | TOTALS |
|----|--------|--------|-------|--------|------|-------|--------|--------|--------|-------|------|--------|--------|---------|--------|
| 1 | 0. | 0. | 3. | 3. | 0. | 0. | 0. | 0. | 2. | 17. | 56. | 58. | 0. | 0. | 139. |
| 2 | 0. | 0. | 13. | 4. | 0. | 0. | 0. | 0. | 2. | 76. | 82. | 59. | 0. | 0. | 236. |
| 3 | 0. | 0. | 7. | 7. | 0. | 0. | 0. | 0. | 1. | 78. | 278. | 68. | 0. | 0. | 440. |
| 4 | 0. | 0. | 7. | 7. | 0. | 0. | 0. | 0. | 1. | 97. | 801. | 152. | 0. | 0. | 1066. |
| 5 | 0. | 0. | 7. | 6. | 0. | 0. | 0. | 0. | 1. | 46. | 397. | 49. | 0. | 0. | 506. |
| 6 | 0. | 0. | 7. | 5. | 0. | 0. | 0. | 0. | 1. | 155. | 708. | 54. | 0. | 0. | 929. |
| 7 | 0. | 0. | 5. | 5. | 0. | 0. | 0. | 0. | 1. | 9. | 417. | 42. | 0. | 0. | 479. |
| 8 | 0. | 0. | 5. | 5. | 0. | 0. | 0. | 0. | 1. | 1. | 292. | 33. | 0. | 0. | 337. |
| 9 | 0. | 0. | 4. | 4. | 0. | 0. | 0. | 0. | 1. | 0. | 242. | 12. | 0. | 0. | 262. |
| 10 | 0. | 0. | 4. | 7. | 0. | 0. | 3. | 0. | 1. | 0. | 210. | 9. | 0. | 0. | 234. |
| 11 | 0. | 0. | 4. | 4. | 0. | 0. | 32. | 0. | 1. | 3. | 59. | 4. | 0. | 0. | 195. |
| 12 | 0. | 0. | 3. | 4. | 0. | 0. | 39. | 0. | 0. | 1. | 26. | 3. | 0. | 0. | 76. |
| 13 | 0. | 0. | 3. | 4. | 0. | 0. | 35. | 0. | 0. | 0. | 23. | 2. | 0. | 0. | 68. |
| 14 | 0. | 0. | 3. | 4. | 0. | 0. | 36. | 0. | 0. | 0. | 14. | 2. | 0. | 0. | 59. |
| 15 | 0. | 0. | 3. | 6. | 0. | 0. | 43. | 0. | 0. | 1. | 13. | 1. | 0. | 0. | 67. |
| 16 | 0. | 0. | 3. | 10. | 0. | 0. | 64. | 0. | 0. | 0. | 4. | 0. | 0. | 0. | 82. |
| 17 | 0. | 0. | 3. | 5. | 0. | 0. | 69. | 0. | 0. | 0. | 4. | 0. | 0. | 0. | 82. |
| 18 | 0. | 0. | 3. | 6. | 0. | 0. | 64. | 0. | 0. | 0. | 2. | 0. | 0. | 0. | 75. |
| 19 | 0. | 0. | 3. | 6. | 0. | 0. | 144. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 152. |
| 20 | 0. | 0. | 3. | 8. | 0. | 0. | 95. | 1. | 0. | 6. | 0. | 0. | 0. | 0. | 851. |
| 21 | 0. | 0. | 2. | 7. | 0. | 0. | 398. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 406. |
| 22 | 0. | 0. | 2. | 4. | 0. | 0. | 304. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 309. |
| 23 | 0. | 0. | 1. | 3. | 0. | 0. | 180. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 184. |
| 24 | 0. | 0. | 1. | 3. | 0. | 0. | 238. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 242. |
| 25 | 0. | 0. | 1. | 2. | 0. | 0. | 176. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 179. |
| 26 | 0. | 0. | 1. | 2. | 0. | 0. | 154. | 0. | 0. | 6. | 0. | 0. | 0. | 0. | 157. |
| 27 | 0. | 0. | 1. | 1. | 2. | 0. | 120. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 124. |
| 28 | 0. | 0. | 0. | 1. | 90. | 76. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 167. |
| 29 | 0. | 0. | 0. | 1. | 139. | 54. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 54. |
| 30 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 140. |
| 31 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 32 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 6. | 0. | 0. | 0. | 0. | 0. |
| 33 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 34 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 35 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| | 0. | 0. | 100. | 132. | 974. | 2322. | 1. | 15. | 485. | 3625. | 550. | 0. | 8205. | | |

111511.

RETIRED POPULATION 5381. 31689. 74408. 34.
 1-----{ 106131. }-----1

 * AIR FORCE CURRENT OBJECTIVE OFFICERS--11 CATEGORIES
 *
 * FILENAME= FC011CAT CURRENT
 * DATE= 12/16/83 TIME= 14:56:53

***** CATEGORY= TOTAL FORCE *****

***** FLOW RECONCILIATION *****

| | GRADE-1 | GRADE-2 | GRADE-3 | GRADE-4 | GRADE-5 | GRADE-6 | GRADE-7 | GRADE-8 | GRADE-9 | GRADE-10 | TOTAL |
|------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|---------|
| BEGIN STRENGTH | 14223. | 14447. | 36246. | 18981. | 12341. | 5227. | 0. | 0. | 0. | 0. | 101467. |
| *****LOSSES***** | | | | | | | | | | | |
| PROM-GUT | 6914. | 5760. | 3200. | 2201. | 934. | 0. | 0. | 0. | 0. | 0. | 19010. |
| LOSS:XFR-OTH | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| LOSS:XFR-OFF | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| LOSS:DEATH | 15. | 14. | 37. | 17. | 11. | 5. | 0. | 0. | 0. | 0. | 106. |
| LOSS:RET-DIS | 5. | 13. | 35. | 24. | 36. | 19. | 0. | 0. | 0. | 0. | 132. |
| LOSS:RET-FC | 0. | 0. | 133. | 611. | 92. | 139. | 0. | 0. | 0. | 0. | 974. |
| LOSS:RET-VOL | 0. | 0. | 227. | 246. | 1082. | 768. | 0. | 0. | 0. | 0. | 2322. |
| LOSS:RET-INV | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 0. | 0. | 1. |
| LOSS:OTH-DIS | 5. | 2. | 6. | 1. | 0. | 0. | 0. | 0. | 0. | 0. | 15. |
| LOSS:OTH-FC | 23. | 186. | 257. | 20. | 0. | 0. | 0. | 0. | 0. | 0. | 485. |
| LOSS:OTH-VOL | 103. | 920. | 2393. | 161. | 45. | 4. | 0. | 0. | 0. | 0. | 3625. |
| LOSS:OTH-INV | 114. | 219. | 207. | 10. | 0. | 0. | 0. | 0. | 0. | 0. | 550. |
| TOTAL LOSSES | 7178. | 7115. | 6496. | 3291. | 2201. | 934. | 0. | 0. | 0. | 0. | 27215. |
| *****GAINS***** | | | | | | | | | | | |
| GAINS TO | 7178. | 202. | 736. | 90. | 0. | 0. | 0. | 0. | 0. | 0. | 8205. |
| GAINS OTHER | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| PROM-IN | 0. | 6514. | 5760. | 3200. | 2201. | 934. | 0. | 0. | 0. | 0. | 19010. |
| TOTAL GAINS | 7178. | 7115. | 6496. | 3291. | 2201. | 934. | 0. | 0. | 0. | 0. | 27215. |
| END STRENGTH | 14223. | 14447. | 36246. | 18981. | 12341. | 5227. | 0. | 0. | 0. | 0. | 101467. |

 * UNITED STATES COAST GUARD -- CURRENT OBJECTIVE
 * FILENAME= CC001CAT CURRENT
 * DATE= 12/16/83
 * TIME= 14:57:33

 ***** TOTAL FORCE DISPLAY *****

| YOS | G:10 | G:0TH | GRD-1 | GRD-2 | GRD-3 | GRD-4 | GRD-5 | GRD-6 | GRD-7 | GRD-8 | GRD-9 | GRD10 | TOTAL LOSSES | LOSS | RETN | CONT | |
|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------------|------|--------|--------|--------|
| 1 | 402. | 0. | 402. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 402. | 55. | 0.1368 | 0.8632 | 1.0000 |
| 2 | 0. | 0. | 0. | 190. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 347. | 21. | 0.0605 | 0.9395 | 0.8632 |
| 3 | 0. | 0. | 0. | 255. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 326. | 42. | 0.1288 | 0.8712 | 0.8110 |
| 4 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 284. | 5. | 0.0176 | 0.9824 | 0.7065 |
| 5 | 0. | 0. | 0. | 109. | 170. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 279. | 39. | 0.1398 | 0.8602 | 0.6940 |
| 6 | 0. | 0. | 0. | 60. | 180. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 240. | 4. | 0.0766 | 0.9834 | 0.5970 |
| 7 | 0. | 0. | 0. | 18. | 218. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 236. | 5. | 0.0211 | 0.9789 | 0.5871 |
| 8 | 0. | 0. | 0. | 13. | 218. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 231. | 3. | 0.0130 | 0.9870 | 0.5746 |
| 9 | 0. | 0. | 0. | 6. | 222. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 228. | 1. | 0.0049 | 0.9951 | 0.5672 |
| 10 | 0. | 0. | 0. | 6. | 87. | 134. | 0. | 0. | 0. | 0. | 0. | 0. | 227. | 3. | 0.0118 | 0.9882 | 0.5644 |
| 11 | 0. | 0. | 0. | 2. | 81. | 141. | 0. | 0. | 0. | 0. | 0. | 0. | 224. | 11. | 0.0488 | 0.9512 | 0.5577 |
| 12 | 0. | 0. | 0. | 0. | 71. | 142. | 0. | 0. | 0. | 0. | 0. | 0. | 213. | 20. | 0.0939 | 0.9061 | 0.5305 |
| 13 | 0. | 0. | 0. | 0. | 60. | 133. | 0. | 0. | 0. | 0. | 0. | 0. | 193. | 16. | 0.0829 | 0.9171 | 0.4807 |
| 14 | 0. | 0. | 0. | 0. | 49. | 128. | 0. | 0. | 0. | 0. | 0. | 0. | 177. | 14. | 0.0791 | 0.9209 | 0.4408 |
| 15 | 0. | 0. | 0. | 0. | 37. | 80. | 46. | 0. | 0. | 0. | 0. | 0. | 163. | 14. | 0.0864 | 0.9136 | 0.4059 |
| 16 | 0. | 0. | 0. | 0. | 24. | 64. | 61. | 0. | 0. | 0. | 0. | 0. | 149. | 11. | 0.0752 | 0.9248 | 0.3709 |
| 17 | 0. | 0. | 0. | 0. | 20. | 38. | 80. | 0. | 0. | 0. | 0. | 0. | 138. | 6. | 0.0427 | 0.9573 | 0.3430 |
| 18 | 0. | 0. | 0. | 0. | 18. | 26. | 88. | 0. | 0. | 0. | 0. | 0. | 132. | 3. | 0.0236 | 0.9764 | 0.3284 |
| 19 | 0. | 0. | 0. | 0. | 15. | 24. | 90. | 0. | 0. | 0. | 0. | 0. | 129. | 2. | 0.0171 | 0.9829 | 0.3206 |
| 20 | 0. | 0. | 0. | 0. | 12. | 22. | 52. | 0. | 0. | 0. | 0. | 0. | 127. | 28. | 0.2209 | 0.7791 | 0.3151 |
| 21 | 0. | 0. | 0. | 0. | 12. | 20. | 58. | 9. | 0. | 0. | 0. | 0. | 99. | 17. | 0.1724 | 0.8276 | 0.2455 |
| 22 | 0. | 0. | 0. | 0. | 0. | 13. | 32. | 32. | 0. | 0. | 0. | 0. | 82. | 9. | 0.1048 | 0.8952 | 0.2032 |
| 23 | 0. | 0. | 0. | 0. | 0. | 10. | 17. | 46. | 0. | 0. | 0. | 0. | 73. | 12. | 0.1631 | 0.8369 | 0.1819 |
| 24 | 0. | 0. | 0. | 0. | 0. | 0. | 8. | 53. | 0. | 0. | 0. | 0. | 61. | 12. | 0.1939 | 0.8061 | 0.1522 |
| 25 | 0. | 0. | 0. | 0. | 0. | 0. | 6. | 43. | 0. | 0. | 0. | 0. | 49. | 4. | 0.0800 | 0.9200 | 0.1227 |
| 26 | 0. | 0. | 0. | 0. | 0. | 0. | 4. | 42. | 0. | 0. | 0. | 0. | 45. | 4. | 0.0868 | 0.9132 | 0.1129 |
| 27 | 0. | 0. | 0. | 0. | 0. | 0. | 2. | 40. | 0. | 0. | 0. | 0. | 41. | 8. | 0.1500 | 0.8100 | 0.1031 |
| 28 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 34. | 0. | 0. | 0. | 0. | 34. | 13. | 0.3824 | 0.6176 | 0.0835 |
| 29 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 21. | 0. | 0. | 0. | 0. | 21. | 11. | 0.5238 | 0.4762 | 0.0516 |
| 30 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 10. | 0. | 0. | 0. | 0. | 10. | 6. | 0.6000 | 0.4000 | 0.0246 |
| 31 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 4. | 0. | 0. | 0. | 0. | 4. | 3. | 0.7500 | 0.2500 | 0.0098 |
| 32 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 1. | 1. | 1.0000 | 0.0000 | 0.0025 |
| 33 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0.0 | 1.0000 | 0.0000 |
| 34 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0.0 | 1.0000 | 0.0000 |
| 35 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 9. | 0.0 | 1.0000 | 0.0000 |

| | | | | | | | | | | | | | | | | | |
|--------------|------|----|------|------|-------|-------|-------|-------|-----|-----|-----|-----|-------|------|--------|--------|---------|
| TOT | 402. | 0. | 631. | 944. | 1497. | 981. | 583. | 334. | 0. | 0. | 0. | 0. | 4970. | 402. | 0.0810 | 0.9190 | 12.3521 |
| AVERAGE YOS | | | 0.97 | 3.27 | 8.65 | 13.17 | 18.28 | 24.82 | 0.0 | 0.0 | 0.0 | 0.0 | 9.76 | | | | |
| PRODUCTIVITY | | | 75. | 603. | 1497. | 981. | 583. | 334. | 0. | 0. | 0. | 0. | 4073. | | | | |

 * UNITED STATES COAST GUARD -- CURRENT OBJECTIVE
 *
 * FILENAME= CCOOTCAT CURRENT
 *
 * DATE= 12/16/83 TIME= 14:57:34
 *

***** TOTAL FORCE LOSS DISPLAY *****

| YR | XFROTH | XFROFF | DEATH | RETDIS | RET | FC | RETVOL | RETIW | OTHDIS | OTH | FC | GIRVOL | OTHINV | PROMOUT | TOTALS |
|----|--------|--------|-------|--------|-----|----|--------|-------|--------|------|------|--------|--------|---------|--------|
| 1 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 55. | 55. | 0. | 0. | 0. | 55. |
| 2 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 16. | 16. | 5. | 0. | 0. | 21. |
| 3 | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 0. | 0. | 32. | 32. | 3. | 0. | 0. | 42. |
| 4 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 4. | 0. | 0. | 5. |
| 5 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 22. | 22. | 17. | 0. | 0. | 39. |
| 6 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 3. | 3. | 4. | 0. | 0. | 4. |
| 7 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 5. | 0. | 0. | 5. |
| 8 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 2. | 0. | 0. | 3. |
| 9 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | 0. | 0. | 1. |
| 10 | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 2. | 0. | 0. | 3. |
| 11 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 10. | 0. | 0. | 11. |
| 12 | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 19. | 0. | 0. | 20. |
| 13 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 16. | 0. | 0. | 16. |
| 14 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 14. | 0. | 0. | 14. |
| 15 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 14. | 0. | 0. | 14. |
| 16 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 6. | 6. | 4. | 0. | 0. | 11. |
| 17 | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 0. | 3. | 3. | 2. | 0. | 0. | 6. |
| 18 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 3. | 0. | 0. | 3. |
| 19 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 2. | 0. | 0. | 2. |
| 20 | 0. | 0. | 0. | 0. | 0. | 0. | 28. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 28. |
| 21 | 0. | 0. | 0. | 0. | 0. | 0. | 17. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 17. |
| 22 | 0. | 0. | 0. | 0. | 0. | 0. | 8. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 9. |
| 23 | 0. | 0. | 0. | 0. | 0. | 0. | 12. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 12. |
| 24 | 0. | 0. | 0. | 0. | 0. | 0. | 12. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 12. |
| 25 | 0. | 0. | 0. | 0. | 0. | 0. | 4. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 4. |
| 26 | 0. | 0. | 0. | 0. | 0. | 0. | 4. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 4. |
| 27 | 0. | 0. | 0. | 0. | 0. | 0. | 3. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 8. |
| 28 | 0. | 0. | 0. | 0. | 0. | 0. | 13. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 13. |
| 29 | 0. | 0. | 0. | 0. | 0. | 0. | 11. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 11. |
| 30 | 0. | 0. | 0. | 0. | 0. | 0. | 6. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 6. |
| 31 | 0. | 0. | 0. | 0. | 0. | 0. | 3. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 3. |
| 32 | 0. | 0. | 0. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. |
| 33 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 34 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 35 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| | 0. | 0. | 7. | 4. | 0. | 0. | 125. | 0. | 0. | 139. | 139. | 127. | 0. | 0. | 402. |

RETIRED POPULATION 158. 158. 0. 3854. 3854. 4012.

UNITED STATES COAST GUARD -- CURRENT OBJECTIVE

FILENAME= CC001CAT CURRENT

DATE= 12/16/83

TIME= 14:57:35

***** FLOW RECONCILIATION ***** CATEGORY= TOTAL FORCE *****

GRADE-1 GRADE-2 GRADE-3 GRADE-4 GRADE-5 GRADE-6 GRADE-7 GRADE-8 GRADE-9 GRADE-10 TOTAL

BEGIN STRENGTH

4970.

****LOSSES****

PROM-OUT

248.

146.

95.

55.

0.

0.

0.

0.

0.

838.

LOSS:XFR-OTH

0.

0.

0.

0.

0.

0.

0.

0.

0.

0.

LOSS:XFR-OFF

0.

0.

0.

0.

0.

0.

0.

0.

0.

0.

LOSS:DEATH

1.

2.

1.

2.

1.

0.

0.

0.

0.

7.

LOSS:RET-DIS

0.

1.

2.

1.

0.

0.

0.

0.

0.

4.

LOSS:RET-FC

0.

0.

0.

0.

0.

0.

0.

0.

0.

0.

LOSS:RET-VOL

0.

13.

20.

38.

55.

0.

0.

0.

0.

125.

LOSS:RET-INV

0.

0.

0.

0.

0.

0.

0.

0.

0.

0.

LOSS:OTH-DIS

0.

0.

0.

0.

0.

0.

0.

0.

0.

0.

LOSS:OTH-FC

109.

22.

9.

0.

0.

0.

0.

0.

0.

139.

LOSS:OTH-VOL

0.

86.

19.

0.

0.

0.

0.

0.

0.

127.

LOSS:OTH-INV

0.

0.

0.

0.

0.

0.

0.

0.

0.

0.

TOTAL LOSSES

293.

248.

146.

95.

55.

0.

0.

0.

0.

1241.

****GAINS****

GAINS TO

402.

0.

0.

0.

0.

0.

0.

0.

0.

402.

GAINS OTHER

0.

0.

0.

0.

0.

0.

0.

0.

0.

0.

PROM-IN

293.

248.

146.

95.

55.

0.

0.

0.

0.

838.

TOTAL GAINS

402.

248.

146.

95.

55.

0.

0.

0.

0.

1241.

END STRENGTH

944.

1497.

981.

583.

334.

0.

0.

0.

0.

4970.

 * NOAA OFFICERS CURRENT OBJECTIVE --1 CATEGORY
 * FILENAME= 00001CAT CURRENT
 * DATE= 12/16/83
 * TIME= 14:57:44

***** TOTAL FORCE DISPLAY *****

| YOS | G: TO | G: OTH | GRD-1 | GRD-2 | GRD-3 | GKD-4 | GRD-5 | GRD-6 | GRD-7 | GRD-8 | GRD-9 | GRD10 | TOTAL LOSSES | LOSS | RETN | CONT | |
|-----|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------------|------|--------|--------|--------|
| 1 | 24. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 24. | 3. | 0.1250 | 0.8750 | 1.0000 |
| 2 | 0. | 0. | 0. | 10. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 21. | 0. | 0.0 | 1.0000 | 0.8750 |
| 3 | 1. | 0. | 0. | 21. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 22. | 0. | 0.0 | 1.0000 | 0.8750 |
| 4 | 1. | 0. | 0. | 20. | 2. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 23. | 0. | 0.0 | 1.0000 | 0.8750 |
| 5 | 1. | 0. | 0. | 11. | 12. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 24. | 1. | 0.0417 | 0.9583 | 0.8750 |
| 6 | 1. | 0. | 0. | 5. | 18. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 24. | 1. | 0.0417 | 0.9583 | 0.8385 |
| 7 | 0. | 0. | 0. | 3. | 20. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 23. | 1. | 0.0435 | 0.9565 | 0.8036 |
| 8 | 0. | 0. | 0. | 2. | 15. | 5. | 0. | 0. | 0. | 0. | 0. | 0. | 22. | 2. | 0.0902 | 0.9098 | 0.7687 |
| 9 | 0. | 0. | 0. | 1. | 10. | 9. | 0. | 0. | 0. | 0. | 0. | 0. | 20. | 0. | 0.0 | 1.0000 | 0.6993 |
| 10 | 0. | 0. | 0. | 1. | 7. | 12. | 0. | 0. | 0. | 0. | 0. | 0. | 20. | 1. | 0.0500 | 0.9500 | 0.6993 |
| 11 | 0. | 0. | 0. | 0. | 4. | 15. | 0. | 0. | 0. | 0. | 0. | 0. | 19. | 3. | 0.1578 | 0.8422 | 0.6644 |
| 12 | 0. | 0. | 0. | 0. | 2. | 13. | 1. | 0. | 0. | 0. | 0. | 0. | 16. | 2. | 0.1249 | 0.8751 | 0.5596 |
| 13 | 0. | 0. | 0. | 0. | 1. | 9. | 4. | 0. | 0. | 0. | 0. | 0. | 14. | 2. | 0.1428 | 0.8572 | 0.4897 |
| 14 | 0. | 0. | 0. | 0. | 0. | 6. | 6. | 0. | 0. | 0. | 0. | 0. | 12. | 3. | 0.2500 | 0.7500 | 0.4198 |
| 15 | 0. | 0. | 0. | 0. | 0. | 2. | 7. | 0. | 0. | 0. | 0. | 0. | 9. | 1. | 0.1111 | 0.8889 | 0.3148 |
| 16 | 0. | 0. | 0. | 0. | 0. | 1. | 7. | 0. | 0. | 0. | 0. | 0. | 8. | 0. | 0.0 | 1.0000 | 0.2798 |
| 17 | 0. | 0. | 0. | 0. | 0. | 1. | 7. | 0. | 0. | 0. | 0. | 0. | 8. | 0. | 0.0 | 1.0000 | 0.2798 |
| 18 | 0. | 0. | 0. | 0. | 0. | 1. | 7. | 0. | 0. | 0. | 0. | 0. | 8. | 0. | 0.0 | 1.0000 | 0.2798 |
| 19 | 0. | 0. | 0. | 0. | 0. | 1. | 5. | 2. | 0. | 0. | 0. | 0. | 8. | 1. | 0.1250 | 0.8750 | 0.2798 |
| 20 | 0. | 0. | 0. | 0. | 0. | 1. | 3. | 4. | 0. | 0. | 0. | 0. | 7. | 0. | 0.0 | 1.0000 | 0.2449 |
| 21 | 0. | 0. | 0. | 0. | 0. | 0. | 3. | 0. | 0. | 0. | 0. | 0. | 7. | 2. | 0.2857 | 0.7143 | 0.2449 |
| 22 | 0. | 0. | 0. | 0. | 0. | 0. | 2. | 5. | 0. | 0. | 0. | 0. | 5. | 0. | 0.0 | 1.0000 | 0.1749 |
| 23 | 0. | 0. | 0. | 0. | 0. | 0. | 1. | 4. | 0. | 0. | 0. | 0. | 5. | 2. | 0.4000 | 0.6000 | 0.1749 |
| 24 | 0. | 0. | 0. | 0. | 0. | 0. | 1. | 4. | 0. | 0. | 0. | 0. | 3. | 1. | 0.3333 | 0.6667 | 0.1049 |
| 25 | 0. | 0. | 0. | 0. | 0. | 0. | 1. | 3. | 0. | 0. | 0. | 0. | 2. | 1. | 0.5000 | 0.5000 | 0.0700 |
| 26 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 2. | 0. | 0. | 0. | 0. | 1. | 0. | 0.0 | 1.0000 | 0.0350 |
| 27 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 1. | 0. | 0.0 | 1.0000 | 0.0350 |
| 28 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 1. | 0. | 0.0 | 1.0000 | 0.0350 |
| 29 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 1. | 1. | 1.0000 | 0.0 | 0.0350 |
| 30 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 0. | 0. | 0.0 | 1.0000 | 0.0 |
| 31 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0.0 | 1.0000 | 0.0 |
| 32 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0.0 | 1.0000 | 0.0 |
| 33 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0.0 | 1.0000 | 0.0 |
| 34 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0.0 | 1.0000 | 0.0 |
| 35 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0.0 | 1.0000 | 0.0 |

TOT 28. 0. 39. 74. 91. 76. 58. 28. 0. 0. 0. 0. 0. 366. 28. 0.0765 0.9235 13.0779

AVERAGE YOS 1.14 3.61 6.94 11.12 16.69 23.18 0.0 0.0 0.0 0.0 0.0 9.31
 PRODUCTIVITY 6. 51. 90. 76. 58. 28. 0. 0. 0. 0. 0. 310.

 * NOAA OFFICERS CURRENT OBJECTIVE ---1 CATEGORY *****
 * FILENAME= OCO01CAT CURRENT *****
 * DATE= 12/16/83 TIME= 14:57:44 *****

***** TOTAL FORCE LOSS DISPLAY *****

| YR | XFROTH | XFROFF | DEATH | RETDIS | RET FC | RETVOL | RETVN | OTHDIS | OTH FC | OTHVOL | OTHVNV | PROMOUT | TOTALS |
|----|--------|--------|-------|--------|--------|--------|-------|--------|--------|--------|--------|---------|--------|
| 1 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 2. | 1. | 0. | 3. |
| 2 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 3 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 4 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 5 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | 0. | 0. | 1. |
| 6 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | 0. | 0. | 1. |
| 7 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 2. | 0. | 0. | 2. |
| 8 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | 0. | 0. | 1. |
| 9 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 2. | 0. | 0. | 2. |
| 10 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 2. | 0. | 0. | 2. |
| 11 | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 0. | 2. | 0. | 0. | 3. |
| 12 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 2. | 0. | 0. | 2. |
| 13 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 2. | 0. | 0. | 2. |
| 14 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 2. | 0. | 0. | 3. |
| 15 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | 0. | 0. | 1. |
| 16 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 17 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 18 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 19 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 20 | 0. | 0. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 0. | 0. | 1. |
| 21 | 0. | 0. | 0. | 0. | 0. | 2. | 0. | 0. | 0. | 0. | 0. | 0. | 2. |
| 22 | 0. | 0. | 0. | 0. | 0. | 2. | 0. | 0. | 0. | 0. | 0. | 0. | 2. |
| 23 | 0. | 0. | 0. | 0. | 0. | 2. | 0. | 0. | 0. | 0. | 0. | 0. | 2. |
| 24 | 0. | 0. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 0. | 0. | 1. |
| 25 | 0. | 0. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 0. | 0. | 1. |
| 26 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 27 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 28 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 29 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 30 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 31 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 32 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 33 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 34 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 35 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |

RETIRED POPULATION 0. 0. 2. 0. 7. 0. 17. 1. 28.

83. 1----(0. 221. 221.)----

303.

 * NOAA OFFICERS CURRENT OBJECTIVE --1 CATEGORY
 * FILENAME= 00001CAT CURRENT
 * DATE= 12/16/83 TIME= 14:57:45

***** FLOW RECONCILIATION CATEGORY= TOTAL FORCE *****

| | GRADE-1 | GRADE-2 | GRADE-3 | GRADE-4 | GRADE-5 | GRADE-6 | GRADE-7 | GRADE-8 | GRADE-9 | GRADE-10 | TOTAL |
|----------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|-------|
| BEGIN STRENGTH | 39. | 74. | 91. | 76. | 58. | 28. | 0. | 0. | 0. | 0. | 366. |

****LOSSES****

| | | | | | | | | | | | |
|--------------|-----|-----|-----|-----|----|----|----|----|----|----|------|
| PROM-OUT | 25. | 20. | 15. | 7. | 5. | 1. | 0. | 0. | 0. | 0. | 73. |
| LOSS:XFR-OTH | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| LOSS:XFR-OFF | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| LOSS:DEATH | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| LOSS:RET-DIS | 0. | 0. | 1. | 1. | 0. | 0. | 0. | 0. | 0. | 0. | 2. |
| LOSS:RET-FC | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| LOSS:RET-VOL | 0. | 0. | 0. | 1. | 2. | 4. | 0. | 0. | 0. | 0. | 7. |
| LOSS:RET-INV | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| LOSS:OTH-DIS | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| LOSS:OTH-FC | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| LOSS:OTH-VOL | 2. | 5. | 4. | 6. | 0. | 0. | 0. | 0. | 0. | 0. | 17. |
| LOSS:OTH-INV | 1. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. |
| TOTAL LOSSES | 28. | 25. | 20. | 15. | 7. | 5. | 0. | 0. | 0. | 0. | 100. |

****GAINS****

| | | | | | | | | | | | |
|--------------|-----|-----|-----|-----|-----|-----|----|----|----|----|------|
| GAINS TO | 28. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 28. |
| GAINS OTHER | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| PROM-IN | 0. | 25. | 20. | 15. | 7. | 5. | 0. | 0. | 0. | 0. | 72. |
| TOTAL GAINS | 28. | 25. | 20. | 15. | 7. | 5. | 0. | 0. | 0. | 0. | 100. |
| END STRENGTH | 39. | 74. | 91. | 76. | 58. | 28. | 0. | 0. | 0. | 0. | 366. |

PHS OFFICER CURRENT OBJECTIVE -- 9 CATEGORIES

DATE= 12/16/83

TIME= 14:58:01

FILENAME= PC009CAT CURRENT

TOTAL FORCE DISPLAY

| YOS | G:TO | G:OTH | GRD-1 | GRD-2 | GRD-3 | GRD-4 | GRD-5 | GRD-6 | GRD-7 | GRD-8 | GRD-9 | GRD10 | TOTAL LOSSES | LOSS | RETN | CONT | |
|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------------|------|--------|--------|--------|
| 1 | 754. | 0. | 20. | 185. | 508. | 41. | 0. | 0. | 0. | 0. | 0. | 0. | 754. | 113. | 0.1498 | 0.8502 | 1.0000 |
| 2 | 58. | 0. | 3. | 197. | 465. | 34. | 0. | 0. | 0. | 0. | 0. | 0. | 699. | 250. | 0.3578 | 0.6422 | 0.8502 |
| 3 | 12. | 0. | 0. | 104. | 338. | 19. | 0. | 0. | 0. | 0. | 0. | 0. | 461. | 49. | 0.1060 | 0.8940 | 0.5460 |
| 4 | 67. | 0. | 0. | 46. | 338. | 95. | 0. | 0. | 0. | 0. | 0. | 0. | 479. | 82. | 0.1702 | 0.8298 | 0.4881 |
| 5 | 24. | 0. | 0. | 21. | 185. | 216. | 0. | 0. | 0. | 0. | 0. | 0. | 422. | 43. | 0.1030 | 0.8970 | 0.4050 |
| 6 | 46. | 0. | 0. | 11. | 144. | 265. | 4. | 0. | 0. | 0. | 0. | 0. | 424. | 49. | 0.1145 | 0.8855 | 0.3633 |
| 7 | 31. | 0. | 0. | 0. | 115. | 288. | 4. | 0. | 0. | 0. | 0. | 0. | 407. | 59. | 0.1457 | 0.8543 | 0.3217 |
| 8 | 16. | 0. | 0. | 0. | 36. | 308. | 19. | 0. | 0. | 0. | 0. | 0. | 363. | 36. | 0.0992 | 0.9008 | 0.2748 |
| 9 | 59. | 0. | 0. | 0. | 19. | 301. | 66. | 0. | 0. | 0. | 0. | 0. | 386. | 59. | 0.1525 | 0.8475 | 0.2476 |
| 10 | 21. | 0. | 0. | 0. | 16. | 167. | 165. | 0. | 0. | 0. | 0. | 0. | 348. | 43. | 0.1237 | 0.8763 | 0.2098 |
| 11 | 26. | 0. | 0. | 0. | 0. | 122. | 209. | 0. | 0. | 0. | 0. | 0. | 331. | 33. | 0.0989 | 0.9011 | 0.1839 |
| 12 | 33. | 0. | 0. | 0. | 0. | 58. | 274. | 0. | 0. | 0. | 0. | 0. | 332. | 61. | 0.1826 | 0.8174 | 0.1657 |
| 13 | 25. | 0. | 0. | 0. | 0. | 20. | 274. | 2. | 0. | 0. | 0. | 0. | 296. | 28. | 0.0953 | 0.9047 | 0.1354 |
| 14 | 0. | 0. | 0. | 0. | 0. | 12. | 244. | 12. | 0. | 0. | 0. | 0. | 268. | 32. | 0.1194 | 0.8806 | 0.1225 |
| 15 | 14. | 0. | 0. | 0. | 0. | 6. | 209. | 35. | 0. | 0. | 0. | 0. | 250. | 6. | 0.0241 | 0.9759 | 0.1079 |
| 16 | 13. | 0. | 0. | 0. | 0. | 3. | 180. | 74. | 0. | 0. | 0. | 0. | 257. | 17. | 0.0663 | 0.9337 | 0.1053 |
| 17 | 3. | 0. | 0. | 0. | 0. | 3. | 120. | 120. | 0. | 0. | 0. | 0. | 243. | 60. | 0.2473 | 0.7527 | 0.0983 |
| 18 | 2. | 0. | 0. | 0. | 0. | 0. | 45. | 140. | 0. | 0. | 0. | 0. | 185. | 10. | 0.0541 | 0.9459 | 0.0740 |
| 19 | 0. | 0. | 0. | 0. | 0. | 0. | 33. | 142. | 0. | 0. | 0. | 0. | 175. | 5. | 0.0286 | 0.9714 | 0.0700 |
| 20 | 0. | 0. | 0. | 0. | 0. | 0. | 29. | 150. | 0. | 0. | 0. | 0. | 170. | 53. | 0.3151 | 0.6849 | 0.0680 |
| 21 | 0. | 0. | 0. | 0. | 0. | 0. | 11. | 105. | 0. | 0. | 0. | 0. | 116. | 16. | 0.1399 | 0.8601 | 0.0466 |
| 22 | 0. | 0. | 0. | 0. | 0. | 0. | 4. | 96. | 0. | 0. | 0. | 0. | 100. | 24. | 0.2385 | 0.7615 | 0.0400 |
| 23 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 76. | 0. | 0. | 0. | 0. | 76. | 9. | 0.1164 | 0.8836 | 0.0305 |
| 24 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 67. | 0. | 0. | 0. | 0. | 67. | 12. | 0.1773 | 0.8227 | 0.0269 |
| 25 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 55. | 0. | 0. | 0. | 0. | 55. | 19. | 0.3409 | 0.6591 | 0.0222 |
| 26 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 36. | 0. | 0. | 0. | 0. | 36. | 16. | 0.4331 | 0.5669 | 0.0146 |
| 27 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 21. | 0. | 0. | 0. | 0. | 21. | 2. | 0.0949 | 0.9051 | 0.0083 |
| 28 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 19. | 0. | 0. | 0. | 0. | 19. | 7. | 0.3699 | 0.6301 | 0.0075 |
| 29 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 12. | 0. | 0. | 0. | 0. | 12. | 3. | 0.2496 | 0.7504 | 0.0047 |
| 30 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 9. | 0. | 0. | 0. | 0. | 9. | 9. | 1.0000 | 0.0 | 0.0035 |
| 31 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0.0 | 1.0000 | 0.0 |
| 32 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0.0 | 1.0000 | 0.0 |
| 33 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0.0 | 1.0000 | 0.0 |
| 34 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0.0 | 1.0000 | 0.0 |
| 35 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0.0 | 1.0000 | 0.0 |

TOT 1204. 0. 23. 565. 2165. 1958. 1881. 1170. 0. 0. 0. 0. 0. 7762. 1204. 0.1552 0.8448 6.4444

AVERAGE YOS 0.63 1.71 2.74 7.02 12.91 19.88 0.0 0.0 0.0 0.0 0.0 8.79
PRODUCTIVITY 1. 168. 1054. 1858. 1881. 1170. 0. 0. 0. 0. 0. 6133.

 * PHS OFFICER CURRENT OBJECTIVE -- 9 CATEGORIES
 * FILENAME= PC009CAT CURRENT
 * DATE= 12/16/83 TIME= 14:58:01

***** TOTAL FORCE LOSS DISPLAY *****

| YR | XFROTH | XFCROFF | DEATH | RETDIS | RET | FC | RETVOL | RETIW | OTRDIS | OTH | FC | OTRVOL | OTHINW | PROMOUT | TOTALS |
|----|--------|---------|-------|--------|-----|----|--------|-------|--------|-----|-----|--------|--------|---------|--------|
| 1 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 95. | 18. | 0. | 113. |
| 2 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | 1. | 1. | 225. | 23. | 0. | 250. |
| 3 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 2. | 47. | 0. | 0. | 49. |
| 4 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 11. | 11. | 67. | 4. | 0. | 82. |
| 5 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | 5. | 2. | 37. | 0. | 0. | 43. |
| 6 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 2. | 7. | 34. | 13. | 0. | 49. |
| 7 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 41. | 4. | 41. | 11. | 0. | 59. |
| 8 | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 0. | 26. | 4. | 26. | 5. | 0. | 36. |
| 9 | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 0. | 0. | 46. | 4. | 46. | 8. | 0. | 59. |
| 10 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 35. | 6. | 35. | 2. | 0. | 43. |
| 11 | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 0. | 23. | 9. | 23. | 0. | 0. | 33. |
| 12 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 31. | 31. | 25. | 5. | 0. | 61. |
| 13 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 2. | 14. | 14. | 9. | 3. | 0. | 28. |
| 14 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 20. | 20. | 11. | 1. | 0. | 32. |
| 15 | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 0. | 5. | 0. | 5. | 0. | 0. | 6. |
| 16 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 4. | 5. | 5. | 8. | 0. | 0. | 17. |
| 17 | 0. | 0. | 4. | 1. | 0. | 0. | 0. | 0. | 5. | 38. | 38. | 5. | 7. | 0. | 60. |
| 18 | 0. | 0. | 3. | 5. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 7. | 0. | 0. | 10. |
| 19 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 5. |
| 20 | 0. | 0. | 0. | 1. | 5. | 5. | 48. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 53. |
| 21 | 0. | 0. | 0. | 1. | 3. | 3. | 10. | 1. | 0. | 0. | 0. | 1. | 0. | 0. | 16. |
| 22 | 0. | 0. | 1. | 0. | 0. | 0. | 21. | 0. | 0. | 2. | 2. | 0. | 0. | 0. | 24. |
| 23 | 0. | 0. | 0. | 0. | 0. | 0. | 5. | 0. | 0. | 3. | 3. | 1. | 0. | 0. | 9. |
| 24 | 0. | 0. | 0. | 1. | 0. | 0. | 10. | 1. | 0. | 0. | 0. | 0. | 0. | 0. | 12. |
| 25 | 0. | 0. | 0. | 1. | 1. | 0. | 16. | 1. | 0. | 0. | 0. | 0. | 0. | 0. | 19. |
| 26 | 0. | 0. | 0. | 0. | 0. | 0. | 15. | 1. | 0. | 0. | 0. | 0. | 0. | 0. | 16. |
| 27 | 0. | 0. | 1. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 2. |
| 28 | 0. | 0. | 0. | 2. | 0. | 0. | 5. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 7. |
| 29 | 0. | 0. | 0. | 0. | 0. | 0. | 3. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 3. |
| 30 | 0. | 0. | 0. | 0. | 0. | 0. | 9. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 9. |
| 31 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 32 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 33 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 34 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 35 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |

RETIRED POPULATION 0. 0. 11. 16. 8. 8. 142. 4. 13. 164. 748. 100. 0. 1204. 5422.

 * PHS OFFICER CURRENT OBJECTIVE -- 9 CATEGORIES
 *
 * FILENAME= PC009CAT CURRENT
 * DATE= 12/16/83 TIME= 14:58:02

***** CATEGORY= TOTAL FORCE *****

***** FLOW RECONCILIATION *****

| | GRADE-1 | GRADE-2 | GRADE-3 | GRADE-4 | GRADE-5 | GRADE-6 | GRADE-7 | GRADE-8 | GRADE-9 | GRADE-10 | TOTAL |
|----------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|-------|
| BEGIN STRENGTH | 23. | 565. | 2165. | 1958. | 1881. | 1170. | 0. | 0. | 0. | 0. | 7762. |
| ****LOSSES**** | | | | | | | | | | | |
| PROM-OUT | 19. | 113. | 422. | 329. | 216. | 0. | 0. | 0. | 0. | 0. | 1099. |
| LOSS:XFR-OTH | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| LOSS:XFR-OFF | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| LOSS:DEATH | 0. | 0. | 0. | 1. | 0. | 10. | 0. | 0. | 0. | 0. | 11. |
| LOSS:RET-DIS | 0. | 0. | 0. | 1. | 1. | 14. | 0. | 0. | 0. | 0. | 16. |
| LOSS:RET-FC | 0. | 0. | 0. | 0. | 3. | 5. | 0. | 0. | 0. | 0. | 8. |
| LOSS:RET-VOL | 0. | 0. | 0. | 0. | 0. | 142. | 0. | 0. | 0. | 0. | 142. |
| LOSS:RET-INV | 0. | 0. | 0. | 0. | 0. | 4. | 0. | 0. | 0. | 0. | 4. |
| LOSS:OTH-DIS | 0. | 1. | 0. | 1. | 2. | 9. | 0. | 0. | 0. | 0. | 13. |
| LOSS:OTH-FC | 0. | 2. | 10. | 24. | 100. | 28. | 0. | 0. | 0. | 0. | 164. |
| LOSS:OTH-VOL | 0. | 102. | 346. | 186. | 90. | 24. | 0. | 0. | 0. | 0. | 748. |
| LOSS:OTH-INV | 1. | 0. | 48. | 29. | 16. | 6. | 0. | 0. | 0. | 0. | 100. |
| TOTAL LOSSES | 20. | 218. | 826. | 570. | 428. | 241. | 0. | 0. | 0. | 0. | 2303. |
| ****GAINS**** | | | | | | | | | | | |
| GAINS TO | 20. | 199. | 713. | 148. | 99. | 25. | 0. | 0. | 0. | 0. | 1204. |
| GAINS OTHER | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| PROM-IN | 0. | 19. | 113. | 422. | 329. | 216. | 0. | 0. | 0. | 0. | 1099. |
| TOTAL GAINS | 20. | 218. | 826. | 570. | 428. | 241. | 0. | 0. | 0. | 0. | 2303. |
| END STRENGTH | 23. | 565. | 2165. | 1958. | 1881. | 1170. | 0. | 0. | 0. | 0. | 7762. |

* FILENAME= ACM02CAT CURRENT DATE= 12/16/83 TIME= 14:54:36
* ARMY WARRANT CURRENT OBJECTIVE--REVISED 9 JUNE 83

***** TOTAL FORCE DISPLAY *****

| YOS | G:TO | G:OTH | GRD-1 | GRD-2 | GRD-3 | GRD-4 | GRD-5 | GRD-6 | GRD-7 | GRD-8 | GRD-9 | GRD10 | TOTAL LOSSES | LOSS | RETN | CONT |
|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------------|-------|--------|--------|
| 1 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0.0 | 1.0000 | 1.0000 |
| 2 | 267. | 0. | 267. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 267. | 6.0 | 0.0225 | 0.9775 |
| 3 | 0. | 30. | 291. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 291. | 16.0 | 0.0547 | 0.9453 |
| 4 | 0. | 33. | 135. | 173. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 308. | 54.0 | 0.1754 | 0.8246 |
| 5 | 0. | 48. | 145. | 157. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 302. | 29.0 | 0.0960 | 0.9040 |
| 6 | 0. | 42. | 122. | 193. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 315. | 34.0 | 0.1079 | 0.8921 |
| 7 | 0. | 55. | 131. | 205. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 336. | 34.0 | 0.1071 | 0.8929 |
| 8 | 0. | 73. | 168. | 207. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 375. | 29.0 | 0.0713 | 0.9287 |
| 9 | 0. | 67. | 202. | 207. | 4. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 413. | 22.0 | 0.0532 | 0.9468 |
| 10 | 0. | 105. | 227. | 177. | 92. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 496. | 20.0 | 0.0403 | 0.9597 |
| 11 | 0. | 105. | 239. | 185. | 157. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 581. | 17.0 | 0.0292 | 0.9708 |
| 12 | 0. | 105. | 283. | 214. | 172. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 669. | 13.0 | 0.0194 | 0.9806 |
| 13 | 0. | 107. | 270. | 275. | 218. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 763. | 9.0 | 0.0118 | 0.9882 |
| 14 | 0. | 93. | 303. | 322. | 222. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 847. | 16.0 | 0.0189 | 0.9811 |
| 15 | 0. | 87. | 316. | 316. | 343. | 20. | 0. | 0. | 0. | 0. | 0. | 0. | 918. | 9.0 | 0.0098 | 0.9902 |
| 16 | 0. | 64. | 260. | 337. | 333. | 43. | 0. | 0. | 0. | 0. | 0. | 0. | 973. | 9.0 | 0.0092 | 0.9908 |
| 17 | 0. | 46. | 259. | 335. | 391. | 55. | 0. | 0. | 0. | 0. | 0. | 0. | 1010. | 12.0 | 0.0118 | 0.9882 |
| 18 | 0. | 0. | 131. | 369. | 426. | 72. | 0. | 0. | 0. | 0. | 0. | 0. | 998. | 12.0 | 0.0120 | 0.9880 |
| 19 | 0. | 0. | 49. | 397. | 432. | 108. | 0. | 0. | 0. | 0. | 0. | 0. | 986. | 23.0 | 0.0233 | 0.9767 |
| 20 | 0. | 0. | 1. | 367. | 466. | 129. | 0. | 0. | 0. | 0. | 0. | 0. | 953. | 350.0 | 0.3634 | 0.6366 |
| 21 | 0. | 0. | 0. | 195. | 318. | 100. | 0. | 0. | 0. | 0. | 0. | 0. | 613. | 178.0 | 0.2903 | 0.7097 |
| 22 | 0. | 0. | 0. | 70. | 264. | 101. | 0. | 0. | 0. | 0. | 0. | 0. | 435. | 92.0 | 0.2114 | 0.7886 |
| 23 | 0. | 0. | 0. | 30. | 167. | 146. | 0. | 0. | 0. | 0. | 0. | 0. | 343. | 90.0 | 0.2623 | 0.7377 |
| 24 | 0. | 0. | 0. | 22. | 97. | 134. | 0. | 0. | 0. | 0. | 0. | 0. | 253. | 42.0 | 0.1660 | 0.8340 |
| 25 | 0. | 0. | 0. | 19. | 70. | 122. | 0. | 0. | 0. | 0. | 0. | 0. | 211. | 34.0 | 0.1611 | 0.8389 |
| 26 | 0. | 0. | 0. | 12. | 55. | 110. | 0. | 0. | 0. | 0. | 0. | 0. | 177. | 40.0 | 0.2259 | 0.7741 |
| 27 | 0. | 0. | 0. | 0. | 25. | 112. | 0. | 0. | 0. | 0. | 0. | 0. | 137. | 22.0 | 0.1605 | 0.8395 |
| 28 | 0. | 0. | 0. | 0. | 10. | 105. | 0. | 0. | 0. | 0. | 0. | 0. | 115. | 18.0 | 0.1565 | 0.8435 |
| 29 | 0. | 0. | 0. | 0. | 7. | 90. | 0. | 0. | 0. | 0. | 0. | 0. | 97. | 15.0 | 0.1546 | 0.8454 |
| 30 | 0. | 0. | 0. | 0. | 5. | 77. | 0. | 0. | 0. | 0. | 0. | 0. | 82. | 82.0 | 1.0000 | 0.0000 |
| 31 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0.0 | 0.0 | 1.0000 |
| 32 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0.0 | 0.0 | 1.0000 |
| 33 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0.0 | 0.0 | 1.0000 |
| 34 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0.0 | 0.0 | 1.0000 |
| 35 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0.0 | 0.0 | 1.0000 |

TOT 267. 1060. 3692. 4786. 4276. 1524. 0. 0. 0. 0. 0. 0. 0. 14279. 1327. 0.0929 0.9071 10.7603
AVERAGE YOS 9.92 13.51 17.32 22.82 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 14.72
PRODUCTIVITY 3313. 4743. 4276. 1524.

* ARMY WARRANT CURRENT OBJECTIVE--REVISED 9 JUNE 83
* FILENAME= ACW02CAT CURRENT
* DATE= 12/16/83 TIME= 14:54:37

***** TOTAL FORCE LOSS DISPLAY *****

| YR | XFROTH | XFROFF | DEATH | RETDIS | RET | FC | RETVOL | RETNV | OTHDIS | OTH | FC | OTHVOL | OTHINV | PROMOUT | TOTALS |
|----|--------|--------|-------|--------|-----|----|--------|-------|--------|-----|----|--------|--------|---------|--------|
| 1 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 2 | 0. | 0. | 6. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 6. |
| 3 | 0. | 0. | 3. | 3. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 51. | 3. | 0. | 16. |
| 4 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 29. | 0. | 0. | 54. |
| 5 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 34. | 0. | 0. | 29. |
| 6 | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 32. | 1. | 0. | 34. |
| 7 | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 0. | 1. | 0. | 0. | 27. | 0. | 0. | 29. |
| 8 | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 20. | 1. | 0. | 22. |
| 9 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 20. | 0. | 0. | 20. |
| 10 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 15. | 1. | 0. | 17. |
| 11 | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 12. | 1. | 0. | 13. |
| 12 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 9. | 0. | 0. | 9. |
| 13 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 16. | 0. | 0. | 16. |
| 14 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 9. | 0. | 0. | 9. |
| 15 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 6. | 2. | 0. | 9. |
| 16 | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 12. | 0. | 0. | 12. |
| 17 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 5. | 5. | 0. | 12. |
| 18 | 0. | 0. | 1. | 1. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 14. | 0. | 0. | 23. |
| 19 | 0. | 0. | 2. | 7. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 350. |
| 20 | 0. | 0. | 4. | 77. | 0. | 0. | 269. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 178. |
| 21 | 0. | 0. | 0. | 3. | 4. | 0. | 171. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 92. |
| 22 | 0. | 0. | 0. | 3. | 0. | 0. | 87. | 1. | 0. | 0. | 0. | 0. | 0. | 0. | 90. |
| 23 | 0. | 0. | 1. | 3. | 0. | 0. | 86. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 42. |
| 24 | 0. | 0. | 1. | 2. | 0. | 0. | 40. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 34. |
| 25 | 0. | 0. | 1. | 0. | 0. | 0. | 33. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 40. |
| 26 | 0. | 0. | 1. | 1. | 7. | 0. | 30. | 1. | 0. | 0. | 0. | 0. | 0. | 0. | 22. |
| 27 | 0. | 0. | 0. | 2. | 2. | 0. | 18. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 18. |
| 28 | 0. | 0. | 0. | 1. | 0. | 0. | 17. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 15. |
| 29 | 0. | 0. | 0. | 1. | 0. | 0. | 14. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 82. |
| 30 | 0. | 0. | 1. | 1. | 80. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 31 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 32 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 33 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 34 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 35 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |

RETIRED POPULATION 4030. 2688. 27109. 67. 33893.

* ARMY WARRANT CURRENT OBJECTIVE--REVISED 9 JUNE 83
* FILENAME= ACW02CAT CURRENT
* DATE= 12/16/83 TIME= 18:54:38

***** CATEGORY= TOTAL FORCE *****

| | GRADE-1 | GRADE-2 | GRADE-3 | GRADE-4 | GRADE-5 | GRADE-6 | GRADE-7 | GRADE-8 | GRADE-9 | GRADE-10 | TOTAL |
|----------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|--------|
| BEGIN STRENGTH | 3692. | 4786. | 4276. | 1524. | 0. | 0. | 0. | 0. | 0. | 0. | 14279. |
| ****LOSSES**** | | | | | | | | | | | |
| PROM-OUT | 1287. | 787. | 367. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 2441. |
| LOSS:XFR-OTH | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| LOSS:XFR-CFF | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| LOSS:DEATH | 9. | 2. | 9. | 3. | 0. | 0. | 0. | 0. | 0. | 0. | 23. |
| LOSS:RET-DIS | 3. | 4. | 53. | 48. | 0. | 0. | 0. | 0. | 0. | 0. | 102. |
| LOSS:RET-FC | 0. | 11. | 7. | 75. | 0. | 0. | 0. | 0. | 0. | 0. | 93. |
| LOSS:RET-VOL | 0. | 232. | 307. | 226. | 0. | 0. | 0. | 0. | 0. | 0. | 765. |
| LOSS:RET-INV | 0. | 0. | 1. | 1. | 0. | 0. | 0. | 0. | 0. | 0. | 2. |
| LOSS:OTH-DIS | 0. | 1. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. |
| LOSS:OTH-FC | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| LOSS:OTH-VOL | 22. | 242. | 43. | 11. | 0. | 0. | 0. | 0. | 0. | 0. | 318. |
| LOSS:OTH-INV | 6. | 8. | 0. | 3. | 0. | 0. | 0. | 0. | 0. | 0. | 17. |
| TOTAL LOSSES | 1327. | 1287. | 787. | 367. | 0. | 0. | 0. | 0. | 0. | 0. | 3768. |
| ****GAINS**** | | | | | | | | | | | |
| GAINS TO | 267. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 267. |
| GAINS OTHER | 1060. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1060. |
| PROM-IN | 0. | 1287. | 787. | 367. | 0. | 0. | 0. | 0. | 0. | 0. | 2441. |
| TOTAL GAINS | 1327. | 1287. | 787. | 367. | 0. | 0. | 0. | 0. | 0. | 0. | 3768. |
| END STRENGTH | 3692. | 4786. | 4276. | 1524. | 0. | 0. | 0. | 0. | 0. | 0. | 14279. |

 * NAVY WARRANT CURRENT STEADY STATE
 *
 * FILENAME= NCWDICAT CURRENT
 * DATE= 12/16/83
 * TIME= 14:54:45

***** TOTAL FORCE DISPLAY *****

| YOS | G:TO | G:OTH | GRD-1 | GRD-2 | GRD-3 | GRD-4 | GRD-5 | GRD-6 | GRD-7 | GRD-8 | GRD-9 | GRD10 | TOTAL LOSSES | LOSS | RETN | CONT |
|--------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------------|--------|--------|--------|
| 1 | 500. | 0. | 0. | 500. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 500. | 0. | 0.0060 | 0.9920 |
| 2 | 0. | 0. | 0. | 496. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 496. | 0.2198 | 0.7802 | 0.9920 |
| 3 | 0. | 0. | 0. | 387. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 387. | 0.0145 | 0.9855 | 0.7780 |
| 4 | 0. | 0. | 0. | 19. | 363. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 382. | 0.1099 | 0.8901 | 0.7627 |
| 5 | 0. | 0. | 0. | 17. | 323. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 340. | 0.1529 | 0.8471 | 0.6789 |
| 6 | 0. | 0. | 0. | 16. | 272. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 288. | 0.0556 | 0.9444 | 0.5751 |
| 7 | 0. | 0. | 0. | 8. | 19. | 245. | 0. | 0. | 0. | 0. | 0. | 0. | 272. | 0.2684 | 0.7316 | 0.5431 |
| 8 | 0. | 0. | 0. | 14. | 185. | 185. | 0. | 0. | 0. | 0. | 0. | 0. | 199. | 0.3166 | 0.6834 | 0.3973 |
| 9 | 0. | 0. | 0. | 3. | 133. | 133. | 0. | 0. | 0. | 0. | 0. | 0. | 136. | 0.4706 | 0.5294 | 0.2715 |
| 10 | 0. | 0. | 0. | 1. | 71. | 71. | 0. | 0. | 0. | 0. | 0. | 0. | 72. | 0.2084 | 0.7916 | 0.145 |
| 11 | 0. | 0. | 0. | 0. | 57. | 57. | 0. | 0. | 0. | 0. | 0. | 0. | 57. | 0.3333 | 0.6667 | 0.115 |
| 12 | 0. | 0. | 0. | 0. | 38. | 38. | 0. | 0. | 0. | 0. | 0. | 0. | 38. | 0.1842 | 0.8158 | 0.0759 |
| 13 | 0. | 0. | 0. | 0. | 31. | 31. | 0. | 0. | 0. | 0. | 0. | 0. | 31. | 0.1613 | 0.8387 | 0.0619 |
| 14 | 0. | 0. | 0. | 0. | 26. | 26. | 0. | 0. | 0. | 0. | 0. | 0. | 26. | 0.2692 | 0.7308 | 0.0519 |
| 15 | 0. | 0. | 0. | 0. | 19. | 19. | 0. | 0. | 0. | 0. | 0. | 0. | 19. | 0.6316 | 0.3684 | 0.0379 |
| 16 | 0. | 0. | 0. | 0. | 7. | 7. | 0. | 0. | 0. | 0. | 0. | 0. | 7. | 1.0000 | 0.0 | 0.0140 |
| 17 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0.0 | 1.0000 | 0.0 |
| 18 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0.0 | 1.0000 | 0.0 |
| 19 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0.0 | 1.0000 | 0.0 |
| 20 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0.0 | 1.0000 | 0.0 |
| 21 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0.0 | 1.0000 | 0.0 |
| 22 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0.0 | 1.0000 | 0.0 |
| 23 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0.0 | 1.0000 | 0.0 |
| 24 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0.0 | 1.0000 | 0.0 |
| 25 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0.0 | 1.0000 | 0.0 |
| 26 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0.0 | 1.0000 | 0.0 |
| 27 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0.0 | 1.0000 | 0.0 |
| 28 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0.0 | 1.0000 | 0.0 |
| 29 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0.0 | 1.0000 | 0.0 |
| 30 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0.0 | 1.0000 | 0.0 |
| 31 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0.0 | 1.0000 | 0.0 |
| 32 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0.0 | 1.0000 | 0.0 |
| 33 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0.0 | 1.0000 | 0.0 |
| 34 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0.0 | 1.0000 | 0.0 |
| 35 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0.0 | 1.0000 | 0.0 |
| TOT | 500. | 0. | 0. | 1444. | 994. | 811. | 0. | 0. | 0. | 0. | 0. | 0. | 3249. | 500. | 0.1540 | 0.8460 |
| AVERAGE YOS | | | 0.0 | 1.56 | 4.51 | 8.55 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.20 | | | |
| PRODUCTIVITY | | | 0. | 373. | 903. | 811. | 0. | 0. | 0. | 0. | 0. | 0. | 2087. | | | |

 * NAVY WARRANT CURRENT STEADY STATE *
 * FILENAME= WNDOTCAT CURRENT *
 * DATE= 12/16/83 TIME= 14:58:46 *

***** TOTAL CRCE LOSS DISPLAY *****

| YR | XPROTH | XPROFF | DEATH | RETDIS | RET | FC | RETVOL | RETIMV | OTHDIS | OTH | FC | OTRVOL | OTHINV | PROMOUT | TOTALS |
|----|--------|--------|-------|--------|-----|----|--------|--------|--------|-----|----|--------|--------|---------|--------|
| 1 | 0. | 0. | 0. | 0. | 0. | 0. | 4. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 4. |
| 2 | 0. | 92. | 0. | 0. | 0. | 0. | 15. | 1. | 0. | 0. | 0. | 0. | 0. | 0. | 109. |
| 3 | 0. | 4. | 1. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 6. |
| 4 | 0. | 4. | 0. | 0. | 0. | 0. | 37. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 42. |
| 5 | 0. | 16. | 0. | 1. | 0. | 0. | 34. | 1. | 0. | 0. | 0. | 0. | 0. | 0. | 52. |
| 6 | 0. | 2. | 0. | 0. | 0. | 0. | 10. | 3. | 0. | 0. | 0. | 0. | 0. | 0. | 16. |
| 7 | 0. | 0. | 0. | 0. | 0. | 0. | 70. | 2. | 0. | 0. | 0. | 0. | 1. | 0. | 73. |
| 8 | 0. | 4. | 0. | 2. | 0. | 0. | 55. | 2. | 0. | 0. | 0. | 0. | 0. | 0. | 63. |
| 9 | 0. | 3. | 0. | 4. | 0. | 0. | 55. | 1. | 0. | 0. | 0. | 0. | 0. | 0. | 64. |
| 10 | 0. | 0. | 0. | 0. | 0. | 0. | 14. | 1. | 0. | 0. | 0. | 0. | 0. | 0. | 15. |
| 11 | 0. | 0. | 0. | 0. | 0. | 0. | 12. | 7. | 0. | 0. | 0. | 0. | 0. | 0. | 19. |
| 12 | 0. | 0. | 0. | 0. | 0. | 0. | 3. | 4. | 0. | 0. | 0. | 0. | 0. | 0. | 7. |
| 13 | 0. | 0. | 0. | 0. | 0. | 0. | 3. | 2. | 0. | 0. | 0. | 0. | 0. | 0. | 5. |
| 14 | 0. | 0. | 0. | 0. | 0. | 0. | 2. | 5. | 0. | 0. | 0. | 0. | 0. | 0. | 7. |
| 15 | 0. | 0. | 0. | 0. | 0. | 0. | 2. | 10. | 0. | 0. | 0. | 0. | 0. | 0. | 12. |
| 16 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 7. | 0. | 0. | 0. | 0. | 0. | 0. | 7. |
| 17 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 18 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 19 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 20 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 21 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 22 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 23 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 24 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 25 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 26 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 27 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 28 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 29 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 30 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 31 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 32 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 33 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 34 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 35 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |

RETIRED POPULATION 0. 125. 3. 8. 0. 316. 47. 0. 0. 2. 0. 500. 13891.

379. 0. 11746. 1765.
 13511.)----

***** NAVY WARRANT CURRENT STEADY STATE *****
 * FILENAME= NCW01CAT CURRENT DATE= 12/16/83 TIME= 14:54:47 *

***** CATEGORY= TOTAL FORCE *****

***** FLOW RECONCILIATION *****

| GRADE-1 | GRADE-2 | GRADE-3 | GRADE-4 | GRADE-5 | GRADE-6 | GRADE-7 | GRADE-8 | GRADE-9 | GRADE-10 | TOTAL |
|------------------|---------|---------|---------|---------|---------|---------|---------|---------|----------|-------|
| BEGIN STRENGTH | 0. | 1444. | 994. | 811. | 0. | 0. | 0. | 0. | 0. | 3249. |
| *****LOSSES***** | | | | | | | | | | |
| PROM-OUT | 0. | 364. | 249. | 0. | 0. | 0. | 0. | 0. | 0. | 612. |
| LOSS:XFR-OTH | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| LOSS:XFR-OFF | 0. | 96. | 22. | 7. | 0. | 0. | 0. | 0. | 0. | 125. |
| LOSS:DEATH | 0. | 1. | 1. | 1. | 0. | 0. | 0. | 0. | 0. | 3. |
| LOSS:RET-DIS | 0. | 0. | 0. | 7. | 0. | 0. | 0. | 0. | 0. | 8. |
| LOSS:RET-FC | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| LOSS:RET-VOL | 0. | 31. | 86. | 199. | 0. | 0. | 0. | 0. | 0. | 316. |
| LOSS:RET-INV | 0. | 7. | 5. | 36. | 0. | 0. | 0. | 0. | 0. | 47. |
| LOSS:OTH-DIS | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| LOSS:OTH-FC | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| LOSS:OTH-VOL | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| LOSS:OTH-INV | 0. | 1. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 2. |
| TOTAL LOSSES | 0. | 500. | 364. | 249. | 0. | 0. | 0. | 0. | 0. | 1113. |
| *****GAINS***** | | | | | | | | | | |
| GAINS TO | 0. | 500. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 500. |
| GAINS OTHER | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| PROM-IN | 0. | 0. | 364. | 249. | 0. | 0. | 0. | 0. | 0. | 612. |
| TOTAL GAINS | 0. | 500. | 364. | 249. | 0. | 0. | 0. | 0. | 0. | 1113. |
| END STRENGTH | 0. | 1444. | 994. | 811. | 0. | 0. | 0. | 0. | 0. | 3249. |

*

App K -28

 * MARINE WARRANT CURRENT OBJ--1 CATEGORY
 * FILENAME= MCM01CAT CURRENT
 * DATE= 12/16/83 TIME= 19:55:01

***** TOTAL FORCE LOSS DISPLAY *****

| YR | XFROTH | XFROFF | DEATH | RETDIS | RET FC | RETVOL | RETIW | CYHEDIS | OTH FC | OTHVOL | OTHINV | PROMOUT | TOTALS |
|----|--------|--------|-------|--------|--------|--------|-------|---------|--------|--------|--------|---------|--------|
| 1 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 2. | 0. | 0. | 0. | 2. |
| 2 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 1. |
| 3 | 0. | 72. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 3. | 0. | 0. | 75. |
| 4 | 0. | 40. | 0. | 0. | 0. | 2. | 0. | 0. | 0. | 5. | 0. | 0. | 46. |
| 5 | 0. | 9. | 0. | 0. | 0. | 2. | 0. | 0. | 0. | 0. | 0. | 0. | 11. |
| 6 | 0. | 8. | 0. | 0. | 0. | 2. | 0. | 0. | 0. | 0. | 0. | 0. | 10. |
| 7 | 0. | 0. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 0. | 0. | 1. |
| 8 | 0. | 0. | 0. | 0. | 0. | 2. | 0. | 0. | 0. | 1. | 0. | 0. | 4. |
| 9 | 0. | 0. | 0. | 0. | 0. | 3. | 0. | 0. | 0. | 0. | 0. | 0. | 3. |
| 10 | 0. | 0. | 0. | 0. | 0. | 4. | 0. | 0. | 0. | 0. | 0. | 0. | 6. |
| 11 | 0. | 0. | 0. | 0. | 0. | 4. | 0. | 0. | 0. | 0. | 0. | 0. | 4. |
| 12 | 0. | 0. | 0. | 0. | 0. | 3. | 0. | 0. | 0. | 0. | 0. | 0. | 5. |
| 13 | 0. | 0. | 0. | 0. | 0. | 4. | 0. | 0. | 0. | 0. | 0. | 0. | 4. |
| 14 | 0. | 0. | 0. | 0. | 0. | 4. | 0. | 0. | 0. | 0. | 0. | 0. | 4. |
| 15 | 0. | 0. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 0. | 0. | 3. |
| 16 | 0. | 0. | 0. | 0. | 0. | 3. | 0. | 0. | 0. | 0. | 0. | 0. | 4. |
| 17 | 0. | 0. | 0. | 0. | 0. | 4. | 0. | 0. | 0. | 0. | 0. | 0. | 4. |
| 18 | 0. | 0. | 0. | 0. | 0. | 3. | 0. | 0. | 0. | 0. | 0. | 0. | 3. |
| 19 | 0. | 0. | 0. | 0. | 0. | 2. | 0. | 0. | 0. | 0. | 0. | 0. | 2. |
| 20 | 0. | 0. | 0. | 0. | 0. | 2. | 0. | 0. | 0. | 0. | 0. | 0. | 2. |
| 21 | 0. | 0. | 0. | 0. | 0. | 2. | 0. | 0. | 0. | 0. | 0. | 0. | 1. |
| 22 | 0. | 0. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 0. | 0. | 1. |
| 23 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 24 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 25 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 26 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 27 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 28 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 29 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 30 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 31 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 32 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 33 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 34 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 35 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| | 0. | 128. | 0. | 0. | 8. | 49. | 0. | 0. | 2. | 9. | 0. | 0. | 196. |

RETIRED POPULATION 0. 1----(283. 1800. 2083.)----i 2083.

 * MARINE WARRANT CURRENT OCU--1 CATEGORY *
 * FILENAME= MCMOTCAT CURRENT *
 * DATE= 12/16/83 TIME= 14:55:02 *

***** CATEGORY= TOTAL FORCE *****

***** FLOW RECONCILIATION *****

| | GRADE-1 | GRADE-2 | GRADE-3 | GRADE-4 | GRADE-5 | GRADE-6 | GRADE-7 | GRADE-8 | GRADE-9 | GRADE-10 | TOTAL |
|----------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|-------|
| BEGIN STRENGTH | 390. | 446. | 195. | 258. | 0. | 0. | 0. | 0. | 0. | 0. | 1290. |
| ****LOSSES**** | | | | | | | | | | | |
| PROM-OUT | 194. | 52. | 43. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 289. |
| LOSS:XFR-OTH | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| LOSS:XFR-OFF | 0. | 128. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 128. |
| LOSS:DEATH | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| LOSS:RET-DIS | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| LOSS:RET-FC | 0. | 0. | 1. | 7. | 0. | 0. | 0. | 0. | 0. | 0. | 8. |
| LOSS:RET-VOL | 0. | 5. | 7. | 36. | 0. | 0. | 0. | 0. | 0. | 0. | 49. |
| LOSS:RET-INV | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| LOSS:OTH-DIS | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| LOSS:OTH-FC | 2. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 2. |
| LOSS:OTH-VOL | 0. | 8. | 1. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 9. |
| LOSS:OTH-INV | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| TOTAL LOSSES | 196. | 194. | 52. | 43. | 0. | 0. | 0. | 0. | 0. | 0. | 485. |
| ****GAINS**** | | | | | | | | | | | |
| GAINS TO | 196. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 196. |
| GAINS OTHER | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| PROM-IN | 0. | 194. | 52. | 43. | 0. | 0. | 0. | 0. | 0. | 0. | 289. |
| TOTAL GAINS | 196. | 194. | 52. | 43. | 0. | 0. | 0. | 0. | 0. | 0. | 485. |
| END STRENGTH | 390. | 446. | 195. | 258. | 0. | 0. | 0. | 0. | 0. | 0. | 1290. |

* UNITED STATES COAST GUARD -- WARRANT OFFICER CURRENT OBJECTIVE *
* FILENAME= CCM01CAT CURRENT *
* DATE= 12/16/83 TIME= 14:57:23 *

***** TOTAL FORCE DISPLAY *****

| YOS | G: TO | G: OTH | GRD-1 | GRD-2 | GRD-3 | GRD-4 | GRD-5 | GRD-6 | GRD-7 | GRD-8 | GRD-9 | GRD1C | TOTAL LOSSES | LOSS | RETN | CONT |
|--------------------------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------------|------|--------|--------|
| 1 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0.0 | 1.0000 | 1.0000 |
| 2 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0.0 | 1.0000 | 1.0000 |
| 3 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0.0 | 1.0000 | 1.0000 |
| 4 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0.0 | 1.0000 | 1.0000 |
| 5 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0.0 | 1.0000 | 1.0000 |
| 6 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0.0 | 1.0000 | 1.0000 |
| 7 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0.0 | 1.0000 | 1.0000 |
| 8 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0.0 | 1.0000 | 1.0000 |
| 9 | 3. | 0. | 0. | 3. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 3. | 0.0 | 1.0000 | 1.0000 |
| 10 | 14. | 0. | 0. | 17. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 17. | 1.0 | 0.0714 | 0.9286 |
| 11 | 11. | 0. | 0. | 27. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 27. | 1.0 | 0.0370 | 0.9630 |
| 12 | 23. | 0. | 0. | 46. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 49. | 1.0 | 0.0199 | 0.9801 |
| 13 | 20. | 0. | 0. | 62. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 68. | 3.0 | 0.0440 | 0.9560 |
| 14 | 20. | 0. | 0. | 75. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 85. | 3.0 | 0.0352 | 0.9648 |
| 15 | 25. | 0. | 0. | 87. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 107. | 3.0 | 0.0281 | 0.9719 |
| 16 | 34. | 0. | 0. | 107. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 138. | 9.0 | 0.0653 | 0.9347 |
| 17 | 16. | 0. | 0. | 110. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 145. | 11.0 | 0.0759 | 0.9241 |
| 18 | 0. | 0. | 0. | 79. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 134. | 33.0 | 0.2463 | 0.7537 |
| 19 | 0. | 0. | 0. | 50. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 101. | 18.0 | 0.1783 | 0.8217 |
| 20 | 0. | 0. | 0. | 30. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 83. | 13.0 | 0.1566 | 0.8434 |
| 21 | 0. | 0. | 0. | 20. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 70. | 3.0 | 0.0428 | 0.9572 |
| 22 | 0. | 0. | 0. | 15. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 67. | 4.0 | 0.0597 | 0.9403 |
| 23 | 0. | 0. | 0. | 11. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 63. | 6.0 | 0.0953 | 0.9047 |
| 24 | 0. | 0. | 0. | 7. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 57. | 4.0 | 0.0702 | 0.9298 |
| 25 | 0. | 0. | 0. | 5. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 53. | 1.0 | 0.0189 | 0.9811 |
| 26 | 0. | 0. | 0. | 4. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 52. | 2.0 | 0.0385 | 0.9615 |
| 27 | 0. | 0. | 0. | 2. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 50. | 19.0 | 0.3800 | 0.6200 |
| 28 | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 31. | 13.0 | 0.4194 | 0.5806 |
| 29 | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 18. | 5.0 | 0.2778 | 0.7222 |
| 30 | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 13. | 3.0 | 0.6154 | 0.3846 |
| 31 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 5. | 1.0 | 0.2000 | 0.8000 |
| 32 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 4. | 4.0 | 1.0000 | 0.0 |
| 33 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0.0 | 1.0000 | 0.0 |
| 34 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0.0 | 1.0000 | 0.0 |
| 35 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0.0 | 1.0000 | 0.0 |
| TOT | 166. | 0. | 0. | 761. | 449. | 231. | 0. | 0. | 0. | 0. | 0. | 0. | 1440. | 166. | 0.1154 | 0.8846 |
| AVERAGE YOS PRODUCTIVITY | 0.0 | 0.0 | 0.0 | 15.67 | 19.78 | 24.90 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 18.43 | | | |
| | | | | 760. | 449. | 231. | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1440. | | | |

 * UNITED STATES COAST GUARD -- WARRANT OFFICER CURRENT OBJECTIVE *
 * FILENAME= CCH01CAT CURRENT *
 * DATE= 12/16/83 TIME= 14:57:23 *

***** TOTAL FORCE LOSS DISPLAY *****

| YR | XFROTH | XFROFF | DEATH | RETDIS | RET | FC | RETVOL | RETVOL | OTHVOL | OTHFC | OTHVOL | OTHINV | PROMOUT | TOTALS |
|----|--------|--------|-------|--------|-----|----|--------|--------|--------|-------|--------|--------|---------|--------|
| 1 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 2 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 3 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 4 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 5 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 6 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 7 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 8 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 9 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 10 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 11 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 12 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 13 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 14 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 15 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 16 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 17 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 18 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 19 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 20 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 21 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 22 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 23 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 24 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 25 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 26 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 27 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 28 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 29 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 30 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 31 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 32 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 33 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 34 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 35 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |

RETIRED POPULATION 0. 62. 1. 3. 83. 0. 0. 0. 0. 0. 0. 0. 0. 0. 166.

126. 2649. 0. 0. 2775.

 * UNITED STATES COAST GUARD -- WARRANT OFFICER CURRENT OBJECTIVE *
 * FILENAME= COM01CAT CURRENT DATE= 12/16/83 TIME= 14:57:25 *

***** FLOW RECONCILIATION CATEGORY= TOTAL FORCE *****

| | GRADE-1 | GRADE-2 | GRADE-3 | GRADE-4 | GRADE-5 | GRADE-6 | GRADE-7 | GRADE-8 | GRADE-9 | GRADE-10 | TOTAL |
|------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|-------|
| BEGIN STRENGTH | 0. | 761. | 449. | 231. | 0. | 0. | 0. | 0. | 0. | 0. | 1440. |
| *****LOSSES***** | | | | | | | | | | | |
| PROM-OUT | 0. | 67. | 43. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 110. |
| LOSS:XFR-OTH | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| LOSS:XFR-OFF | 0. | 62. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 62. |
| LOSS:DEATH | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. |
| LOSS:RET-GIS | 0. | 0. | 3. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 3. |
| LOSS:RET-FC | 0. | 24. | 16. | 43. | 0. | 0. | 0. | 0. | 0. | 0. | 83. |
| LOSS:RET-VOL | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| LOSS:RET-INV | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| LOSS:OTH-DIS | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| LOSS:OTH-FC | 0. | 13. | 4. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 17. |
| LOSS:OTH-VOL | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| LOSS:OTH-INV | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| TOTAL LOSSES | 0. | 166. | 67. | 43. | 0. | 0. | 0. | 0. | 0. | 0. | 276. |
| *****GAINS***** | | | | | | | | | | | |
| GAINS TO | 0. | 166. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 166. |
| GAINS OTHER | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| PROM-IN | 0. | 0. | 67. | 43. | 0. | 0. | 0. | 0. | 0. | 0. | 110. |
| TOTAL GAINS | 0. | 166. | 67. | 43. | 0. | 0. | 0. | 0. | 0. | 0. | 276. |
| END STRENGTH | 0. | 761. | 449. | 231. | 0. | 0. | 0. | 0. | 0. | 0. | 1440. |

 * ARMY ENLISTED CURRENT OBJECTIVE REBUILT--9 CATEGORIES
 * FILENAME= ACE09CAT CURRENT DATE= 12/16/83 TIME= 14:53:09
 *

 ***** TOTAL FORCE DISPLAY *****

| YOS | G:TO | G:OTH | GRD-1 | GRD-2 | GRD-3 | GRD-4 | GRD-5 | GRD-6 | GRD-7 | GRD-8 | GRD-9 | GRD10 | TOTAL | LOSSES | LOSS | RETN | CONT |
|-----|---------|-------|-------|-------|---------|--------|--------|--------|-------|-------|-------|-------|---------|--------|--------|--------|--------|
| 1 | 132357. | 0. | 0. | 0. | 132357. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 132357. | 17169. | 0.1297 | 0.8703 | 1.0000 |
| 2 | 327. | 0. | 0. | 0. | 67778. | 47737. | 0. | 0. | 0. | 0. | 0. | 0. | 115516. | 9861. | 0.0854 | 0.9146 | 0.8703 |
| 3 | 863. | 0. | 0. | 0. | 23379. | 77940. | 0. | 0. | 0. | 0. | 0. | 0. | 106517. | 57134. | 0.5364 | 0.4636 | 0.7960 |
| 4 | 2432. | 0. | 0. | 0. | 5777. | 28778. | 17260. | 0. | 0. | 0. | 0. | 0. | 51816. | 20416. | 0.3940 | 0.6060 | 0.3690 |
| 5 | 144. | 0. | 0. | 0. | 0. | 11302. | 20241. | 0. | 0. | 0. | 0. | 0. | 31543. | 3253. | 0.1031 | 0.8969 | 0.2236 |
| 6 | 10. | 0. | 0. | 0. | 0. | 5363. | 22263. | 674. | 0. | 0. | 0. | 0. | 28300. | 3470. | 0.1226 | 0.8774 | 0.2006 |
| 7 | 12. | 0. | 0. | 0. | 0. | 3549. | 19209. | 2084. | 0. | 0. | 0. | 0. | 24842. | 2797. | 0.1126 | 0.8874 | 0.1760 |
| 8 | 23. | 0. | 0. | 0. | 0. | 2392. | 12652. | 10888. | 54. | 0. | 0. | 0. | 22069. | 3006. | 0.1362 | 0.8638 | 0.1562 |
| 9 | 22. | 0. | 0. | 0. | 0. | 1679. | 6443. | 10888. | 74. | 0. | 0. | 0. | 19084. | 2368. | 0.1241 | 0.8759 | 0.1349 |
| 10 | 20. | 0. | 0. | 0. | 0. | 1314. | 3736. | 11470. | 216. | 0. | 0. | 0. | 16736. | 2482. | 0.1483 | 0.8517 | 0.1182 |
| 11 | 0. | 0. | 0. | 0. | 0. | 0. | 2515. | 11301. | 438. | 0. | 0. | 0. | 14254. | 1184. | 0.0831 | 0.9169 | 0.1006 |
| 12 | 1. | 0. | 0. | 0. | 0. | 0. | 1911. | 9202. | 1924. | 34. | 0. | 0. | 13071. | 806. | 0.0616 | 0.9384 | 0.0923 |
| 13 | 4. | 0. | 0. | 0. | 0. | 0. | 1559. | 7341. | 3316. | 54. | 0. | 0. | 12270. | 906. | 0.0738 | 0.9262 | 0.0866 |
| 14 | 2. | 0. | 0. | 0. | 0. | 0. | 1223. | 4681. | 5379. | 83. | 0. | 0. | 11365. | 479. | 0.0421 | 0.9579 | 0.0802 |
| 15 | 3. | 0. | 0. | 0. | 0. | 0. | 1091. | 3479. | 6174. | 146. | 0. | 0. | 10890. | 408. | 0.0375 | 0.9625 | 0.0768 |
| 16 | 1. | 0. | 0. | 0. | 0. | 0. | 1018. | 2669. | 6500. | 256. | 0. | 0. | 10483. | 318. | 0.0303 | 0.9697 | 0.0739 |
| 17 | 4. | 0. | 0. | 0. | 0. | 0. | 964. | 2202. | 6374. | 616. | 11. | 0. | 10169. | 274. | 0.0269 | 0.9731 | 0.0717 |
| 18 | 0. | 0. | 0. | 0. | 0. | 0. | 926. | 1991. | 5866. | 1097. | 15. | 0. | 9895. | 321. | 0.0325 | 0.9675 | 0.0698 |
| 19 | 0. | 0. | 0. | 0. | 0. | 0. | 889. | 1878. | 4750. | 2033. | 24. | 0. | 9574. | 359. | 0.0375 | 0.9625 | 0.0675 |
| 20 | 0. | 0. | 0. | 0. | 0. | 0. | 841. | 1772. | 3879. | 2679. | 43. | 0. | 9215. | 3685. | 0.3999 | 0.6001 | 0.0650 |
| 21 | 0. | 0. | 0. | 0. | 0. | 0. | 498. | 1012. | 1534. | 2406. | 79. | 0. | 5530. | 2106. | 0.3809 | 0.6191 | 0.0390 |
| 22 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 644. | 568. | 2055. | 156. | 0. | 3424. | 870. | 0.2542 | 0.7458 | 0.0241 |
| 23 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 463. | 339. | 1456. | 295. | 0. | 2553. | 886. | 0.3471 | 0.6529 | 0.0180 |
| 24 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 225. | 856. | 586. | 0. | 1667. | 500. | 0.2999 | 0.7001 | 0.0118 |
| 25 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 135. | 432. | 600. | 0. | 1167. | 133. | 0.1140 | 0.8860 | 0.0082 |
| 26 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 112. | 306. | 616. | 0. | 1034. | 297. | 0.2872 | 0.7128 | 0.0073 |
| 27 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 183. | 554. | 0. | 737. | 189. | 0.2565 | 0.7435 | 0.0052 |
| 28 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 101. | 447. | 0. | 548. | 136. | 0.2482 | 0.7518 | 0.0039 |
| 29 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 65. | 347. | 0. | 412. | 89. | 0.2160 | 0.7840 | 0.0029 |
| 30 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 51. | 272. | 0. | 323. | 323. | 1.0000 | 0.0 | 0.0023 |
| 31 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0.0 | 1.0000 | 0.0 |
| 32 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0.0 | 1.0000 | 0.0 |
| 33 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0.0 | 1.0000 | 0.0 |
| 34 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0.0 | 1.0000 | 0.0 |
| 35 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0.0 | 1.0000 | 0.0 |

TOT 136225. 0. 0. 229292.180054.120438. 80722. 47858.14953. 4045. 0. 677360.136225. 0.2011 0.7989 4.9724
 AVERAGE YOS 0.0 0.0 1.08 2.86 6.54 11.49 16.05 20.33 25.32 0.0 5.39
 PRODUCTIVITY 0.0 0.0 32967. 98086.113524. 80722. 47858.14953. 4045. 0. 392156.

*
* ARMY ENLISTED CURRENT OBJECTIVE REBUILT--9 CATEGORIES
*
* FILENAME= ACE09CAT CURRENT
*

DATE= 12/16/83

TIME= 14:53:11

***** TOTAL FORCE LOSS DISPLAY *****

| YR | XFROTH | XFROFF | DEATH | RETDIS | RET | FC | RETVOL | RETINV | OTHDIS | OTH | FC | OTHVOL | OTHINV | PROMOUT | TOTALS |
|----|--------|--------|-------|--------|------|----|--------|--------|--------|-------|--------|--------|--------|---------|--------|
| 1 | 0. | 22. | 71. | 92. | 0. | 0. | 0. | 0. | 588. | 262. | 0. | 646. | 15438. | 0. | 17169. |
| 2 | 0. | 97. | 168. | 134. | 0. | 0. | 0. | 0. | 233. | 2. | 2. | 2718. | 6510. | 0. | 9861. |
| 3 | 0. | 40. | 457. | 800. | 0. | 0. | 0. | 0. | 435. | 27. | 34525. | 20849. | 0. | 0. | 57134. |
| 4 | 0. | 50. | 39. | 119. | 0. | 0. | 0. | 0. | 79. | 5713. | 13612. | 804. | 0. | 0. | 20416. |
| 5 | 0. | 52. | 23. | 31. | 0. | 0. | 0. | 0. | 14. | 0. | 2827. | 306. | 0. | 0. | 3253. |
| 6 | 0. | 65. | 50. | 79. | 0. | 0. | 0. | 0. | 33. | 15. | 2472. | 756. | 0. | 0. | 3470. |
| 7 | 0. | 86. | 23. | 34. | 0. | 0. | 0. | 0. | 16. | 3. | 2332. | 303. | 0. | 0. | 2797. |
| 8 | 0. | 97. | 27. | 81. | 0. | 0. | 0. | 0. | 29. | 11. | 2367. | 395. | 0. | 0. | 3006. |
| 9 | 0. | 90. | 33. | 61. | 0. | 0. | 0. | 0. | 29. | 9. | 1873. | 273. | 0. | 0. | 2368. |
| 10 | 0. | 133. | 23. | 41. | 0. | 0. | 0. | 0. | 21. | 1306. | 834. | 124. | 0. | 0. | 2482. |
| 11 | 0. | 82. | 37. | 78. | 0. | 0. | 0. | 0. | 8. | 11. | 784. | 181. | 0. | 0. | 1184. |
| 12 | 0. | 82. | 27. | 35. | 0. | 0. | 0. | 0. | 10. | 10. | 528. | 114. | 0. | 0. | 806. |
| 13 | 0. | 74. | 20. | 87. | 0. | 0. | 0. | 0. | 4. | 8. | 578. | 135. | 0. | 0. | 906. |
| 14 | 0. | 91. | 14. | 52. | 0. | 0. | 0. | 0. | 5. | 4. | 258. | 55. | 0. | 0. | 479. |
| 15 | 0. | 40. | 14. | 65. | 0. | 0. | 0. | 0. | 3. | 29. | 215. | 42. | 0. | 0. | 408. |
| 16 | 0. | 38. | 18. | 60. | 0. | 0. | 0. | 0. | 4. | 10. | 132. | 56. | 0. | 0. | 318. |
| 17 | 0. | 19. | 32. | 64. | 0. | 0. | 0. | 0. | 12. | 4. | 123. | 20. | 0. | 0. | 274. |
| 18 | 0. | 9. | 62. | 76. | 0. | 0. | 0. | 0. | 0. | 19. | 105. | 50. | 0. | 0. | 321. |
| 19 | 0. | 4. | 26. | 103. | 0. | 0. | 0. | 0. | 36. | 6. | 180. | 4. | 0. | 0. | 359. |
| 20 | 0. | 0. | 6. | 102. | 8. | 0. | 3569. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 3685. |
| 21 | 0. | 0. | 2. | 51. | 498. | 0. | 1555. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 2106. |
| 22 | 0. | 0. | 2. | 34. | 0. | 0. | 834. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 870. |
| 23 | 0. | 0. | 4. | 16. | 462. | 0. | 404. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 886. |
| 24 | 0. | 0. | 4. | 22. | 0. | 0. | 474. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 500. |
| 25 | 0. | 0. | 0. | 6. | 0. | 0. | 127. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 133. |
| 26 | 0. | 0. | 10. | 17. | 108. | 0. | 162. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 297. |
| 27 | 0. | 0. | 0. | 5. | 0. | 0. | 184. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 189. |
| 28 | 0. | 0. | 1. | 1. | 0. | 0. | 134. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 136. |
| 29 | 0. | 0. | 0. | 2. | 312. | 1. | 86. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 89. |
| 30 | 0. | 0. | 1. | 10. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 323. |
| 31 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 32 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 33 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 34 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 35 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |

0. 136225.

46465.

67109.

7448.

1558.

0.

7530.

1389.

2358.

1194.

1174.

400159.

105152. 43219. 251787. 0.)----1

RETIRED POPULATION

 * ARMY ENLISTED CURRENT OBJECTIVE REBUILT--9 CATEGORIES
 *
 * FILENAME= ACE09CAT CURRENT DATE= 12/16/83 TIME= 14:53:13
 *

***** CATEGORY= TOTAL FORCE *****

***** FLOW RECONCILIATION *****

| GRADE-1 | GRADE-2 | GRADE-3 | GRADE-4 | GRADE-5 | GRADE-6 | GRADE-7 | GRADE-8 | GRADE-9 | GRADE-10 | TOTAL |
|----------------|---------|---------|---------|---------|---------|---------|---------|---------|----------|---------|
| BEGIN STRENGTH | 0. | 0. | 229292. | 180054. | 120438. | 80722. | 47858. | 14953. | 4045. | 677362. |

*****LOSSES*****

| | | | | | | | | | | |
|--------------|----|----|---------|--------|--------|--------|-------|-------|-------|---------|
| PROM-OUT | 0. | 0. | 90942. | 35091. | 16184. | 8469. | 4375. | 1104. | 0. | 156164. |
| LOSS:XFR-OTH | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| LOSS:XFR-OFF | 0. | 0. | 102. | 86. | 187. | 465. | 332. | 2. | 0. | 1174. |
| LOSS:DEATH | 0. | 0. | 179. | 546. | 136. | 151. | 141. | 31. | 11. | 1194. |
| LOSS:RET-DIS | 0. | 0. | 341. | 808. | 275. | 346. | 418. | 140. | 30. | 2358. |
| LOSS:RET-FC | 0. | 0. | 0. | 0. | 495. | 466. | 111. | 52. | 0. | 1389. |
| LOSS:RET-VOL | 0. | 0. | 0. | 0. | 326. | 1156. | 2302. | 797. | 0. | 7530. |
| LOSS:RET-INV | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| LOSS:OTH-DIS | 0. | 0. | 795. | 533. | 120. | 60. | 46. | 4. | 0. | 1558. |
| LOSS:OTH-FC | 0. | 0. | 5982. | 1329. | 35. | 52. | 50. | 0. | 0. | 7448. |
| LOSS:OTH-VOL | 0. | 0. | 4298. | 41688. | 16079. | 4376. | 574. | 1. | 0. | 67109. |
| LOSS:OTH-INV | 0. | 0. | 31652. | 12327. | 1705. | 658. | 120. | 2. | 0. | 46465. |
| TOTAL LOSSES | 0. | 0. | 134291. | 92407. | 35542. | 16200. | 8470. | 4375. | 1104. | 292389. |

*****GAINS*****

| | | | | | | | | | | |
|--------------|----|----|---------|---------|---------|--------|--------|--------|-------|---------|
| GAINS TO | 0. | 0. | 134291. | 1465. | 452. | 16. | 1. | 0. | 0. | 136225. |
| GAINS OTHER | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| PROM-IN | 0. | 0. | 0. | 90942. | 35091. | 16184. | 8469. | 4375. | 1104. | 156164. |
| TOTAL GAINS | 0. | 0. | 134291. | 92407. | 35543. | 16200. | 8470. | 4375. | 1104. | 292389. |
| END STRENGTH | 0. | 0. | 229292. | 180054. | 120438. | 80722. | 47858. | 14953. | 4045. | 677362. |

 * NAVY ENLISTED CURRENT STEADY STATE
 * FILENAME= NCED9CAT CURRENT
 * DATE= 12/16/83
 * TIME= 14:53:34

***** TOTAL FORCE DISPLAY *****

| YOS | G:TO | G:OTH | GRD-1 | GRD-2 | GRD-3 | CRD-4 | GRD-5 | CRD-6 | GRD-7 | GRD-8 | GRD-9 | GRD10 | TOTAL LOSSES | LOSS | RETN | CONT | |
|-----|--------|-------|-------|-------|--------|--------|--------|-------|-------|-------|-------|-------|--------------|--------|--------|--------|--------|
| 1 | 78065. | 0. | 0. | 0. | 78065. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 78065. | 16565. | 0.2122 | 0.7878 | 1.0000 |
| 2 | 1833. | 0. | 0. | 0. | 48094. | 15240. | 0. | 0. | 0. | 0. | 0. | 0. | 63334. | 8122. | 0.1282 | 0.8718 | 0.7878 |
| 3 | 3164. | 0. | 0. | 0. | 23631. | 31298. | 3446. | 0. | 0. | 0. | 0. | 0. | 58375. | 9557. | 0.1637 | 0.8363 | 0.6868 |
| 4 | 3268. | 0. | 0. | 0. | 7391. | 33044. | 11651. | 0. | 0. | 0. | 0. | 0. | 52086. | 25381. | 0.4873 | 0.5127 | 0.5743 |
| 5 | 1420. | 0. | 0. | 0. | 0. | 12951. | 15175. | 0. | 0. | 0. | 0. | 0. | 28125. | 6760. | 0.2404 | 0.7596 | 0.2945 |
| 6 | 1014. | 0. | 0. | 0. | 0. | 6795. | 14043. | 1541. | 0. | 0. | 0. | 0. | 22379. | 5132. | 0.2293 | 0.7707 | 0.2237 |
| 7 | 1020. | 0. | 0. | 0. | 0. | 3374. | 10270. | 4623. | 0. | 0. | 0. | 0. | 18267. | 2124. | 0.1163 | 0.8837 | 0.1724 |
| 8 | 536. | 0. | 0. | 0. | 0. | 1326. | 9869. | 5483. | 0. | 0. | 0. | 0. | 16679. | 2606. | 0.1563 | 0.8437 | 0.1523 |
| 9 | 320. | 0. | 0. | 0. | 0. | 345. | 7840. | 5822. | 385. | 0. | 0. | 0. | 14392. | 1649. | 0.1146 | 0.8854 | 0.1285 |
| 10 | 248. | 0. | 0. | 0. | 0. | 0. | 6653. | 5246. | 1092. | 0. | 0. | 0. | 12992. | 1475. | 0.1136 | 0.8864 | 0.1138 |
| 11 | 183. | 0. | 0. | 0. | 0. | 0. | 5195. | 4466. | 2038. | 0. | 0. | 0. | 11699. | 764. | 0.0653 | 0.9347 | 0.1009 |
| 12 | 154. | 0. | 0. | 0. | 0. | 0. | 4057. | 4775. | 2242. | 15. | 0. | 0. | 11089. | 736. | 0.0664 | 0.9336 | 0.0943 |
| 13 | 187. | 0. | 0. | 0. | 0. | 0. | 2943. | 5077. | 2463. | 57. | 0. | 0. | 10540. | 550. | 0.0522 | 0.9478 | 0.0880 |
| 14 | 189. | 0. | 0. | 0. | 0. | 0. | 1974. | 5474. | 2615. | 116. | 0. | 0. | 10180. | 546. | 0.0537 | 0.9463 | 0.0835 |
| 15 | 169. | 0. | 0. | 0. | 0. | 0. | 1160. | 5663. | 2785. | 193. | 1. | 0. | 9802. | 442. | 0.0451 | 0.9549 | 0.0790 |
| 16 | 143. | 0. | 0. | 0. | 0. | 0. | 606. | 5583. | 3018. | 285. | 11. | 0. | 9503. | 383. | 0.0403 | 0.9597 | 0.0754 |
| 17 | 115. | 0. | 0. | 0. | 0. | 0. | 277. | 5252. | 3129. | 545. | 32. | 0. | 9235. | 295. | 0.0320 | 0.9680 | 0.0724 |
| 18 | 95. | 0. | 0. | 0. | 0. | 0. | 119. | 4757. | 3262. | 812. | 85. | 0. | 9035. | 297. | 0.0329 | 0.9671 | 0.0701 |
| 19 | 96. | 0. | 0. | 0. | 0. | 0. | 0. | 4228. | 3370. | 1064. | 172. | 0. | 8834. | 1392. | 0.1576 | 0.8424 | 0.0678 |
| 20 | 70. | 0. | 0. | 0. | 0. | 0. | 0. | 3056. | 2996. | 1178. | 282. | 0. | 7512. | 3099. | 0.4125 | 0.5875 | 0.0571 |
| 21 | 49. | 0. | 0. | 0. | 0. | 0. | 0. | 1311. | 1829. | 948. | 374. | 0. | 4462. | 1265. | 0.2835 | 0.7165 | 0.0335 |
| 22 | 51. | 0. | 0. | 0. | 0. | 0. | 0. | 781. | 1299. | 802. | 366. | 0. | 3248. | 801. | 0.2466 | 0.7534 | 0.0240 |
| 23 | 40. | 0. | 0. | 0. | 0. | 0. | 0. | 494. | 966. | 680. | 347. | 0. | 2487. | 698. | 0.2807 | 0.7193 | 0.0181 |
| 24 | 38. | 0. | 0. | 0. | 0. | 0. | 0. | 277. | 645. | 571. | 334. | 0. | 1827. | 439. | 0.2403 | 0.7597 | 0.0130 |
| 25 | 40. | 0. | 0. | 0. | 0. | 0. | 0. | 152. | 429. | 487. | 360. | 0. | 1428. | 311. | 0.2178 | 0.7822 | 0.0099 |
| 26 | 36. | 0. | 0. | 0. | 0. | 0. | 0. | 85. | 269. | 392. | 401. | 0. | 1147. | 318. | 0.2773 | 0.7227 | 0.0077 |
| 27 | 32. | 0. | 0. | 0. | 0. | 0. | 0. | 44. | 148. | 267. | 402. | 0. | 861. | 204. | 0.2369 | 0.7631 | 0.0056 |
| 28 | 26. | 0. | 0. | 0. | 0. | 0. | 0. | 22. | 89. | 173. | 408. | 0. | 683. | 114. | 0.1669 | 0.8331 | 0.0043 |
| 29 | 22. | 0. | 0. | 0. | 0. | 0. | 0. | 11. | 49. | 112. | 419. | 0. | 591. | 164. | 0.2775 | 0.7225 | 0.0036 |
| 30 | 21. | 0. | 0. | 0. | 0. | 0. | 0. | 3. | 25. | 60. | 359. | 0. | 448. | 256. | 0.5714 | 0.4286 | 0.0026 |
| 31 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | 5. | 15. | 171. | 0. | 192. | 105. | 0.5469 | 0.4531 | 0.0011 |
| 32 | 3. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 4. | 11. | 75. | 0. | 90. | 52. | 0.5742 | 0.4258 | 0.0005 |
| 33 | 1. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 34. | 0. | 38. | 20. | 0.5334 | 0.4666 | 0.0002 |
| 34 | 1. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 19. | 0. | 19. | 1. | 0.0794 | 0.9206 | 0.0001 |
| 35 | 1. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 18. | 0. | 18. | 18. | 1.0000 | 0.0 | 0.0001 |

| | | | | | | | | | | | | | | | | |
|--------------|--------|-----|-----|-----|----------------|--------|--------|--------|--------|-------|-------|---------|---------|--------|--------|--------|
| TOT | 92644. | 0. | 0. | 0. | 157181.104372. | 95278. | 74229. | 35145. | 8786. | 4670. | 0. | 479660. | 92643. | 0.1931 | 0.8069 | 5.1775 |
| AVERAGE YOS | | 0.0 | 0.0 | 0.0 | 1.25 | 3.33 | 6.96 | 12.99 | 16.27 | 20.55 | 24.73 | 0.0 | 6.33 | | | |
| PRODUCTIVITY | | 0. | 0. | 0. | 29382. | 69032. | 90642. | 74229. | 35145. | 8786. | 4670. | 0. | 311888. | | | |

 * NAVY ENLISTED CURRENT STEADY STATE
 * FILENAME= NCED09CAT CURRENT
 * DATE= 12/16/83 TIME= 14:53:34

***** TOTAL FORCE LOSS DISPLAY *****

| YR | XFROTH | XFROFF | DEATH | RETDIS | RET FC | RETVOL | RETNV | OTHDIS | OTH FC | OTHVOL | OTHINV | PRONOUT | TOTALS |
|----|--------|--------|-------|--------|--------|--------|-------|--------|--------|--------|--------|---------|--------|
| 1 | 0 | 138 | 47 | 0 | 6 | 0 | 0 | 0 | 4054 | 7 | 12319 | 0 | 16565 |
| 2 | 0 | 178 | 85 | 43 | 0 | 1 | 0 | 0 | 0 | 5 | 7810 | 0 | 8122 |
| 3 | 0 | 216 | 53 | 85 | 0 | 5 | 0 | 0 | 5947 | 6 | 3246 | 0 | 9557 |
| 4 | 0 | 212 | 105 | 62 | 0 | 44 | 0 | 0 | 22307 | 5 | 2647 | 0 | 25381 |
| 5 | 0 | 113 | 43 | 72 | 0 | 6 | 0 | 0 | 5454 | 3 | 1059 | 0 | 6760 |
| 6 | 0 | 91 | 27 | 68 | 0 | 2 | 0 | 0 | 4415 | 2 | 527 | 0 | 5132 |
| 7 | 0 | 62 | 2 | 4 | 0 | 1 | 0 | 0 | 1583 | 1 | 470 | 0 | 2124 |
| 8 | 0 | 50 | 5 | 10 | 0 | 1 | 0 | 0 | 2066 | 1 | 473 | 0 | 2606 |
| 9 | 0 | 34 | 4 | 6 | 0 | 25 | 0 | 0 | 1225 | 1 | 354 | 0 | 1649 |
| 10 | 0 | 38 | 11 | 33 | 0 | 3 | 0 | 0 | 1102 | 1 | 288 | 0 | 1475 |
| 11 | 0 | 29 | 10 | 37 | 0 | 3 | 0 | 0 | 477 | 1 | 207 | 0 | 764 |
| 12 | 0 | 23 | 18 | 25 | 0 | 5 | 0 | 0 | 503 | 1 | 160 | 0 | 736 |
| 13 | 0 | 59 | 14 | 6 | 0 | 6 | 0 | 0 | 237 | 1 | 227 | 0 | 550 |
| 14 | 0 | 69 | 14 | 32 | 0 | 7 | 0 | 0 | 220 | 1 | 203 | 0 | 546 |
| 15 | 0 | 67 | 7 | 15 | 0 | 11 | 0 | 0 | 164 | 1 | 176 | 0 | 442 |
| 16 | 0 | 60 | 11 | 30 | 0 | 35 | 0 | 0 | 109 | 1 | 138 | 0 | 383 |
| 17 | 0 | 58 | 12 | 5 | 0 | 38 | 0 | 0 | 55 | 0 | 127 | 0 | 295 |
| 18 | 0 | 76 | 12 | 22 | 0 | 67 | 0 | 0 | 47 | 0 | 74 | 0 | 297 |
| 19 | 0 | 79 | 6 | 11 | 0 | 1186 | 0 | 0 | 21 | 1 | 89 | 0 | 1392 |
| 20 | 0 | 60 | 5 | 89 | 0 | 2592 | 0 | 0 | 21 | 0 | 332 | 0 | 3099 |
| 21 | 0 | 35 | 1 | 397 | 0 | 692 | 0 | 0 | 18 | 0 | 122 | 0 | 1265 |
| 22 | 0 | 24 | 1 | 59 | 0 | 642 | 0 | 0 | 13 | 0 | 62 | 0 | 801 |
| 23 | 0 | 15 | 0 | 62 | 0 | 577 | 0 | 0 | 3 | 0 | 40 | 0 | 698 |
| 24 | 0 | 7 | 0 | 55 | 0 | 348 | 0 | 0 | 0 | 0 | 29 | 0 | 439 |
| 25 | 0 | 5 | 0 | 7 | 0 | 267 | 0 | 0 | 0 | 0 | 31 | 0 | 311 |
| 26 | 0 | 2 | 0 | 7 | 0 | 284 | 0 | 0 | 0 | 0 | 25 | 0 | 318 |
| 27 | 0 | 2 | 0 | 7 | 0 | 176 | 0 | 0 | 0 | 0 | 19 | 0 | 204 |
| 28 | 0 | 2 | 0 | 7 | 0 | 95 | 0 | 0 | 0 | 0 | 10 | 0 | 114 |
| 29 | 0 | 0 | 0 | 6 | 0 | 151 | 0 | 0 | 0 | 0 | 7 | 0 | 164 |
| 30 | 0 | 0 | 0 | 4 | 0 | 239 | 0 | 0 | 0 | 0 | 13 | 0 | 256 |
| 31 | 0 | 0 | 0 | 18 | 0 | 74 | 0 | 0 | 0 | 0 | 13 | 0 | 105 |
| 32 | 0 | 0 | 0 | 0 | 0 | 45 | 0 | 0 | 0 | 0 | 6 | 0 | 52 |
| 33 | 0 | 0 | 0 | 0 | 0 | 19 | 0 | 0 | 0 | 0 | 1 | 0 | 20 |
| 34 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 35 | 0 | 0 | 0 | 0 | 0 | 18 | 0 | 0 | 0 | 0 | 0 | 0 | 18 |
| | 0 | 1804 | 491 | 1284 | 0 | 7667 | 0 | 0 | 50041 | 40 | 31317 | 0 | 92643 |

301934

RETIRED POPULATION 49553 1----(0. 252381.)----1

* NAVY ENLISTED CURRENT STEADY STATE
*
* FILENAME= MCE09CAT CURRENT DATE= 12/16/83 TIME= 14:53:35

***** CATEGORY= TOTAL FORCE *****

***** FLOW RECONCILIATION *****

 * MARINE CURRENT OBJ ENLISTED RUM ON 10 AUG 83
 * FILENAME= MCE09CAT CURRENT
 * DATE= 12/16/83
 * TIME= 14:53:53

***** TOTAL FORCE DISPLAY *****

| YOS | G: TO | G: OTH | GRD-1 | GRD-2 | GRD-3 | GRD-4 | GRD-5 | GRD-6 | GRD-7 | GRD-8 | GRD-9 | GRD10 | TOTAL LOSSES | LOSS | RETN | CONT | |
|-----|--------|--------|-------|-------|--------|--------|-------|-------|-------|-------|-------|-------|--------------|-------|--------|--------|--------|
| 1 | 29490. | 2. | 0. | 0. | 29492. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 29492. | 1046. | 0.0355 | 0.9645 | 1.0000 |
| 2 | 0. | 562. | 0. | 0. | 24341. | 4567. | 0. | 0. | 0. | 0. | 0. | 0. | 29008. | 2879. | 0.0592 | 0.9008 | 0.9645 |
| 3 | 0. | 1092. | 0. | 0. | 12310. | 14343. | 0. | 0. | 0. | 0. | 0. | 0. | 26653. | 4978. | 0.1868 | 0.8132 | 0.8688 |
| 4 | 0. | 436. | 0. | 0. | 6595. | 13632. | 851. | 0. | 0. | 0. | 0. | 0. | 21078. | 6008. | 0.2851 | 0.7149 | 0.7066 |
| 5 | 0. | 104. | 0. | 0. | 4222. | 5157. | 5169. | 0. | 0. | 0. | 0. | 0. | 14548. | 4948. | 0.3401 | 0.6599 | 0.5051 |
| 6 | 0. | 1622. | 0. | 0. | 2089. | 283. | 8466. | 0. | 0. | 0. | 0. | 0. | 10838. | 2413. | 0.2225 | 0.7774 | 0.3333 |
| 7 | 0. | 1293. | 0. | 0. | 1516. | 107. | 7334. | 0. | 0. | 0. | 0. | 0. | 8959. | 2653. | 0.2962 | 0.7038 | 0.2591 |
| 8 | 0. | 673. | 0. | 0. | 1088. | 14. | 3812. | 1728. | 0. | 0. | 0. | 0. | 6642. | 2445. | 0.3681 | 0.6319 | 0.1824 |
| 9 | 0. | 0. | 0. | 0. | 0. | 0. | 982. | 3215. | 0. | 0. | 0. | 0. | 4197. | 620. | 0.1477 | 0.8523 | 0.1152 |
| 10 | 0. | 0. | 0. | 0. | 0. | 0. | 180. | 3397. | 0. | 0. | 0. | 0. | 3577. | 493. | 0.1378 | 0.8622 | 0.0982 |
| 11 | 0. | 0. | 0. | 0. | 0. | 0. | 32. | 3052. | 0. | 0. | 0. | 0. | 3084. | 683. | 0.2215 | 0.7785 | 0.0847 |
| 12 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1879. | 522. | 0. | 0. | 0. | 2401. | 492. | 0.2049 | 0.7951 | 0.0659 |
| 13 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 744. | 1165. | 0. | 0. | 0. | 1909. | 326. | 0.1708 | 0.8292 | 0.0524 |
| 14 | 0. | 93. | 0. | 0. | 0. | 0. | 0. | 148. | 1528. | 0. | 0. | 0. | 1676. | 182. | 0.1086 | 0.8914 | 0.0435 |
| 15 | 0. | 108. | 0. | 0. | 0. | 0. | 0. | 0. | 1514. | 0. | 0. | 0. | 1514. | 176. | 0.1163 | 0.8837 | 0.0387 |
| 16 | 0. | 120. | 0. | 0. | 0. | 0. | 0. | 0. | 1353. | 1. | 0. | 0. | 1354. | 110. | 0.0812 | 0.9188 | 0.0342 |
| 17 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1035. | 125. | 0. | 0. | 1160. | 194. | 0.1673 | 0.8327 | 0.0315 |
| 18 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 657. | 309. | 0. | 0. | 966. | 207. | 0.2143 | 0.7857 | 0.0262 |
| 19 | 0. | 46. | 0. | 0. | 0. | 0. | 0. | 0. | 333. | 472. | 0. | 0. | 805. | 162. | 0.2012 | 0.7983 | 0.0206 |
| 20 | 0. | 88. | 0. | 0. | 0. | 0. | 0. | 0. | 96. | 580. | 0. | 0. | 676. | 76. | 0.1124 | 0.8876 | 0.0164 |
| 21 | 0. | 105. | 0. | 0. | 0. | 0. | 0. | 0. | 2. | 613. | 12. | 0. | 627. | 174. | 0.2774 | 0.7226 | 0.0146 |
| 22 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 377. | 41. | 0. | 0. | 418. | 111. | 0.2655 | 0.7345 | 0.0105 |
| 23 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 230. | 77. | 0. | 307. | 66. | 0.2150 | 0.7850 | 0.0077 |
| 24 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 116. | 125. | 0. | 241. | 47. | 0.1950 | 0.8050 | 0.0061 |
| 25 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 55. | 139. | 0. | 194. | 33. | 0.1701 | 0.8299 | 0.0049 |
| 26 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 20. | 141. | 0. | 161. | 15. | 0.0932 | 0.9068 | 0.0041 |
| 27 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 143. | 0. | 146. | 30. | 0.2055 | 0.7945 | 0.0037 |
| 28 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 3. | 116. | 0. | 116. | 13. | 0.1121 | 0.8879 | 0.0029 |
| 29 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 103. | 0. | 103. | 13. | 0.1262 | 0.8738 | 0.0026 |
| 30 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 90. | 0. | 90. | 13. | 0.1444 | 0.8556 | 0.0023 |
| 31 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 77. | 0. | 77. | 44. | 0.5715 | 0.4285 | 0.0019 |
| 32 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 33. | 0. | 33. | 21. | 0.6364 | 0.3636 | 0.0008 |
| 33 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 12. | 0. | 12. | 5. | 0.4167 | 0.5833 | 0.0003 |
| 34 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 7. | 0. | 7. | 6. | 0.8571 | 0.1429 | 0.0002 |
| 35 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | 0. | 1. | 1. | 1.0000 | 0.0 | 0.0000 |

TOT 29490. 6344. 0. 0. 81654. 38203. 26825. 14163. 8205. 2901. 1117. 0. 173068. 31683. 0.1831 0.8169 5.4626
 AVERAGE YOS 4.48
 PRODUCTIVITY 103224.

MARINE CURRENT OBJ ENLISTED RUN ON 10 AUG 83

FILENAME= MCE09CAT CURRENT

DATE= 12/16/83

TIME= 14:53:54

TOTAL FORCE LOSS DISPLAY

| YR | XFROTH | XFFROFF | DEATH | RETDIS | RET | FC | RETVOL | RETINV | OTHDIS | OTH | FC | OTHVOL | OTHINV | PROMOUT | TOTALS |
|----|--------|---------|-------|--------|-----|----|--------|--------|--------|------|------|--------|--------|---------|--------|
| 1 | 0 | 0 | 10 | 16 | 0 | 0 | 0 | 0 | 126 | 681 | 72 | 140 | 0 | 0 | 1046 |
| 2 | 569 | 3 | 25 | 30 | 0 | 0 | 0 | 0 | 261 | 1847 | 444 | 269 | 0 | 0 | 2879 |
| 3 | 1034 | 264 | 67 | 120 | 0 | 0 | 0 | 0 | 577 | 1936 | 1662 | 353 | 0 | 0 | 4978 |
| 4 | 626 | 34 | 52 | 55 | 0 | 0 | 0 | 0 | 167 | 860 | 4715 | 125 | 0 | 0 | 6008 |
| 5 | 384 | 8 | 9 | 12 | 1 | 0 | 0 | 0 | 40 | 545 | 4296 | 38 | 0 | 0 | 4948 |
| 6 | 759 | 60 | 29 | 142 | 0 | 0 | 1 | 0 | 48 | 781 | 1246 | 105 | 0 | 0 | 2413 |
| 7 | 337 | 116 | 19 | 46 | 0 | 0 | 0 | 0 | 41 | 492 | 1882 | 58 | 0 | 0 | 2653 |
| 8 | 0 | 126 | 14 | 10 | 0 | 0 | 0 | 0 | 12 | 689 | 1570 | 25 | 0 | 0 | 2445 |
| 9 | 0 | 187 | 5 | 17 | 0 | 0 | 0 | 0 | 2 | 48 | 390 | 12 | 0 | 0 | 620 |
| 10 | 0 | 126 | 7 | 11 | 0 | 0 | 0 | 0 | 7 | 35 | 299 | 7 | 0 | 0 | 493 |
| 11 | 0 | 233 | 13 | 19 | 0 | 0 | 0 | 0 | 5 | 87 | 302 | 24 | 0 | 0 | 683 |
| 12 | 0 | 148 | 1 | 21 | 0 | 0 | 0 | 0 | 0 | 71 | 244 | 7 | 0 | 0 | 492 |
| 13 | 0 | 159 | 2 | 2 | 0 | 0 | 0 | 0 | 3 | 26 | 116 | 18 | 0 | 0 | 326 |
| 14 | 88 | 99 | 1 | 13 | 0 | 0 | 0 | 0 | 3 | 8 | 22 | 5 | 0 | 0 | 182 |
| 15 | 104 | 86 | 42 | 15 | 0 | 0 | 0 | 0 | 0 | 16 | 64 | 14 | 0 | 0 | 176 |
| 16 | 84 | 0 | 1 | 15 | 0 | 0 | 0 | 0 | 0 | 16 | 64 | 14 | 0 | 0 | 110 |
| 17 | 0 | 3 | 25 | 18 | 0 | 0 | 0 | 0 | 15 | 49 | 96 | 0 | 0 | 0 | 194 |
| 18 | 0 | 0 | 6 | 18 | 0 | 0 | 0 | 0 | 15 | 57 | 35 | 75 | 0 | 0 | 207 |
| 19 | 55 | 0 | 0 | 15 | 0 | 0 | 0 | 0 | 8 | 63 | 14 | 54 | 0 | 0 | 162 |
| 20 | 78 | 0 | 3 | 3 | 32 | 31 | 31 | 0 | 1 | 4 | 1 | 0 | 0 | 0 | 76 |
| 21 | 35 | 0 | 0 | 5 | 154 | 13 | 13 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 174 |
| 22 | 0 | 0 | 0 | 3 | 97 | 10 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 111 |
| 23 | 0 | 0 | 0 | 0 | 56 | 9 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 66 |
| 24 | 0 | 0 | 0 | 4 | 37 | 5 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 47 |
| 25 | 0 | 0 | 0 | 2 | 28 | 3 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 33 |
| 26 | 0 | 0 | 0 | 1 | 14 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 15 |
| 27 | 0 | 0 | 0 | 1 | 26 | 4 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 30 |
| 28 | 0 | 0 | 0 | 0 | 12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13 |
| 29 | 0 | 0 | 0 | 0 | 10 | 3 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13 |
| 30 | 0 | 0 | 0 | 0 | 10 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 44 |
| 31 | 0 | 0 | 0 | 1 | 5 | 37 | 37 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 21 |
| 32 | 0 | 0 | 0 | 1 | 4 | 15 | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 |
| 33 | 0 | 0 | 0 | 0 | 0 | 5 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 |
| 34 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 35 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |

4152. 1611. 333. 606. 496. 145. 0. 1319. 8313. 17529. 1330. 0. 31683.

RETIRED POPULATION 27747. 15897. 4242. 0. 47886.

 * MARINE CURRENT OBJ ENLISTED RUN ON 10 AUG 83
 * FILENAME= MCE09CAT CURRENT
 * DATE= 12/16/83 TIME= 14:53:55

 * CATEGORY= TOTAL FORCE

***** FLOW RECONCILIATION *****

| | GRADE-1 | GRADE-2 | GRADE-3 | GRADE-4 | GRADE-5 | GRADE-6 | GRADE-7 | GRADE-8 | GRADE-9 | GRADE-10 | TOTAL |
|------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|---------|
| BEGIN STRENGTH | 0. | 0. | 81654. | 38203. | 26825. | 14163. | 8205. | 2901. | 1117. | 0. | 173069. |
| *****LOSSES***** | | | | | | | | | | | |
| PROM-OUT | 0. | 0. | 18152. | 9250. | 4403. | 1856. | 787. | 218. | 0. | 0. | 34665. |
| LOSS:XFR-OTH | 0. | 0. | 1859. | 469. | 1380. | 0. | 276. | 168. | 0. | 0. | 4152. |
| LOSS:XFR-OFF | 0. | 0. | 3. | 280. | 218. | 75. | 365. | 0. | 0. | 0. | 1611. |
| LOSS:DEATH | 0. | 0. | 72. | 97. | 51. | 31. | 70. | 12. | 1. | 0. | 333. |
| LOSS:RET-DIS | 0. | 0. | 83. | 150. | 196. | 72. | 66. | 34. | 6. | 0. | 606. |
| LOSS:RET-FC | 0. | 0. | 0. | 0. | 1. | 0. | 1. | 369. | 126. | 0. | 496. |
| LOSS:RET-VOL | 0. | 0. | 0. | 1. | 1. | 0. | 0. | 60. | 83. | 0. | 145. |
| LOSS:RET-INV | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| LOSS:OTH-DIS | 0. | 0. | 405. | 737. | 131. | 17. | 4. | 27. | 0. | 0. | 1319. |
| LOSS:OTH-FC | 0. | 0. | 5429. | 1541. | 871. | 254. | 151. | 65. | 2. | 0. | 8313. |
| LOSS:OTH-VOL | 0. | 0. | 3587. | 6787. | 5410. | 1374. | 354. | 16. | 1. | 0. | 17529. |
| LOSS:OTH-INV | 0. | 0. | 515. | 423. | 176. | 54. | 104. | 57. | 0. | 0. | 1330. |
| TOTAL LOSSES | 0. | 0. | 30104. | 19735. | 12837. | 4403. | 2177. | 1026. | 218. | 0. | 70499. |
| *****GAINS***** | | | | | | | | | | | |
| GAINS TO | 0. | 0. | 29490. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 29490. |
| GAINS OTHER | 0. | 0. | 614. | 1583. | 3587. | 0. | 321. | 239. | 0. | 0. | 6344. |
| PROM-IN | 0. | 0. | 0. | 18152. | 9250. | 4403. | 1856. | 787. | 218. | 0. | 34665. |
| TOTAL GAINS | 0. | 0. | 30104. | 19735. | 12837. | 4403. | 2177. | 1026. | 218. | 0. | 70499. |
| END STRENGTH | 0. | 0. | 81655. | 38203. | 26825. | 14163. | 8205. | 2901. | 1117. | 0. | 173069. |

* AIR FORCE ENLISTED CURRENT OBJECTIVE--9 CATEGORIES *DEMO*
* FILENAME= FCE09CAT CURRENT
* DATE= 12/16/83
* TIME= 14:54:18

***** TOTAL FORCE DISPLAY *****

| YOS | G:TO | G:OTH | GRD-1 | GRD-2 | GRD-3 | GRD-4 | GRD-5 | GRD-6 | GRD-7 | GRD-8 | GRD-9 | GRD10 | TOTAL LOSSES | LOSS | RETN | CONT | |
|-----|--------|-------|-------|-------|--------|--------|--------|-------|-------|-------|-------|-------|--------------|--------|--------|--------|--------|
| 1 | 71487. | 0. | 0. | 0. | 71487. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 71487. | 7177. | 0.1004 | 0.8996 | 1.0000 |
| 2 | 0. | 0. | 0. | 0. | 61980. | 2330. | 0. | 0. | 0. | 0. | 0. | 0. | 64310. | 4871. | 0.0757 | 0.9243 | 0.8996 |
| 3 | 0. | 0. | 0. | 0. | 26873. | 32565. | 0. | 0. | 0. | 0. | 0. | 0. | 59438. | 4049. | 0.0681 | 0.9319 | 0.8315 |
| 4 | 0. | 0. | 0. | 0. | 7359. | 38462. | 9568. | 0. | 0. | 0. | 0. | 0. | 55389. | 28610. | 0.5165 | 0.4835 | 0.7743 |
| 5 | 1066. | 0. | 0. | 0. | 999. | 12545. | 14300. | 0. | 0. | 0. | 0. | 0. | 27845. | 5859. | 0.2104 | 0.7896 | 0.3746 |
| 6 | 0. | 0. | 0. | 0. | 489. | 7089. | 14157. | 250. | 0. | 0. | 0. | 0. | 21986. | 4248. | 0.1932 | 0.8068 | 0.2958 |
| 7 | 0. | 0. | 0. | 0. | 274. | 4448. | 12075. | 941. | 0. | 0. | 0. | 0. | 17738. | 1843. | 0.1039 | 0.8961 | 0.2386 |
| 8 | 0. | 0. | 0. | 0. | 106. | 2795. | 11049. | 1945. | 0. | 0. | 0. | 0. | 15895. | 2149. | 0.1352 | 0.8648 | 0.2138 |
| 9 | 0. | 0. | 0. | 0. | 5. | 1643. | 9042. | 3056. | 0. | 0. | 0. | 0. | 13746. | 1284. | 0.0934 | 0.9066 | 0.1849 |
| 10 | 0. | 0. | 0. | 0. | 386. | 8252. | 8252. | 3825. | 0. | 0. | 0. | 0. | 12463. | 1455. | 0.1168 | 0.8832 | 0.1677 |
| 11 | 0. | 0. | 0. | 0. | 0. | 6711. | 4297. | 0. | 0. | 0. | 0. | 0. | 11008. | 569. | 0.0517 | 0.9483 | 0.1481 |
| 12 | 0. | 0. | 0. | 0. | 0. | 0. | 5020. | 5113. | 306. | 0. | 0. | 0. | 10439. | 579. | 0.0555 | 0.9445 | 0.1404 |
| 13 | 0. | 0. | 0. | 0. | 0. | 0. | 3662. | 5268. | 929. | 0. | 0. | 0. | 9860. | 289. | 0.0293 | 0.9707 | 0.1326 |
| 14 | 0. | 0. | 0. | 0. | 0. | 0. | 2646. | 5139. | 1786. | 0. | 0. | 0. | 9571. | 275. | 0.0288 | 0.9712 | 0.1288 |
| 15 | 0. | 0. | 0. | 0. | 0. | 0. | 1919. | 4644. | 2732. | 0. | 0. | 0. | 9295. | 122. | 0.0131 | 0.9869 | 0.1251 |
| 16 | 0. | 0. | 0. | 0. | 0. | 0. | 1062. | 4546. | 3566. | 0. | 0. | 0. | 9174. | 63. | 0.0069 | 0.9931 | 0.1234 |
| 17 | 0. | 0. | 0. | 0. | 0. | 0. | 603. | 4004. | 4279. | 224. | 0. | 0. | 9117. | 34. | 0.0037 | 0.9963 | 0.1226 |
| 18 | 0. | 0. | 0. | 0. | 0. | 0. | 354. | 3381. | 4732. | 610. | 0. | 0. | 9077. | 31. | 0.0035 | 0.9965 | 0.1221 |
| 19 | 0. | 0. | 0. | 0. | 0. | 0. | 218. | 2782. | 4553. | 1082. | 10. | 0. | 9046. | 32. | 0.0036 | 0.9964 | 0.1217 |
| 20 | 0. | 0. | 0. | 0. | 0. | 0. | 126. | 2442. | 4821. | 1544. | 81. | 0. | 9013. | 3465. | 0.3844 | 0.6156 | 0.1213 |
| 21 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 969. | 2770. | 1595. | 215. | 0. | 5549. | 1716. | 0.3093 | 0.6907 | 0.0746 |
| 22 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 470. | 1589. | 1398. | 376. | 0. | 3833. | 1181. | 0.3080 | 0.6920 | 0.0516 |
| 23 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 185. | 855. | 1128. | 488. | 0. | 2652. | 706. | 0.2664 | 0.7336 | 0.0357 |
| 24 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 545. | 791. | 610. | 0. | 1946. | 417. | 0.2144 | 0.7856 | 0.0262 |
| 25 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 349. | 494. | 686. | 0. | 1528. | 225. | 0.1475 | 0.8525 | 0.0206 |
| 26 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 261. | 349. | 694. | 0. | 1303. | 489. | 0.3753 | 0.6247 | 0.0175 |
| 27 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 30. | 202. | 581. | 0. | 814. | 261. | 0.3212 | 0.6788 | 0.0110 |
| 28 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 102. | 450. | 0. | 553. | 220. | 0.3990 | 0.6010 | 0.0074 |
| 29 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 9. | 323. | 0. | 332. | 86. | 0.2580 | 0.7420 | 0.0045 |
| 30 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 246. | 0. | 246. | 246. | 1.0000 | 0.0000 | 0.0033 |
| 31 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0.0 | 1.0000 | 0.0000 |
| 32 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0.0 | 1.0000 | 0.0000 |
| 33 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0.0 | 1.0000 | 0.0000 |
| 34 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0.0 | 1.0000 | 0.0000 |
| 35 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0.0 | 1.0000 | 0.0000 |

TOT 72553. 0. 0. 0. 0. 169573. 102264. 100762. 53258. 34503. 9525. 4760. 0. 474644. 72553. 0.1529 0.8471 6.5420
AVERAGE YOS 0.0 0.0 0.0 0.0 1.36 3.74 7.63 13.52 17.74 21.06 24.86 0.0 6.39
PRODUCTIVITY 0.0 0.0 0.0 0.0 36325. 74618. 98370. 53258. 34503. 9525. 4760. 0. 311360.

 * AIR FORCE ENLISTED CURRENT OBJECTIVE--9 CATEGORIES *DEMO*DEMO*
 * FILENAME= FCE09CAT CURRENT
 * DATE= 12/16/83 TIME= 14:54:19

***** TOTAL FORCE LOSS DISPLAY *****

| YR | XFROTH | XFROFF | DEATH | RETDIS | RET FC | RETVOL | RETIW | OTHDIS | OTH FC | OTHVOL | OTHINV | PROMOUT | TOTALS |
|----|--------|--------|-------|--------|--------|--------|-------|--------|--------|--------|--------|---------|--------|
| 1 | 0 | 162 | 77 | 73 | 0 | 0 | 0 | 160 | 37 | 1060 | 5608 | 0 | 7177 |
| 2 | 0 | 190 | 43 | 73 | 0 | 0 | 0 | 168 | 56 | 1198 | 3145 | 0 | 4871 |
| 3 | 0 | 227 | 47 | 84 | 0 | 0 | 0 | 104 | 529 | 1530 | 1529 | 0 | 4049 |
| 4 | 0 | 673 | 34 | 72 | 0 | 0 | 0 | 52 | 6373 | 19458 | 1948 | 0 | 28610 |
| 5 | 0 | 361 | 11 | 39 | 0 | 0 | 0 | 22 | 653 | 4331 | 441 | 0 | 5859 |
| 6 | 0 | 216 | 8 | 41 | 0 | 0 | 0 | 23 | 665 | 3082 | 213 | 0 | 4246 |
| 7 | 0 | 190 | 11 | 24 | 0 | 0 | 0 | 12 | 221 | 1199 | 185 | 0 | 1843 |
| 8 | 0 | 185 | 6 | 24 | 0 | 0 | 0 | 9 | 619 | 1206 | 100 | 0 | 2149 |
| 9 | 0 | 200 | 7 | 17 | 0 | 0 | 0 | 6 | 268 | 656 | 129 | 0 | 1284 |
| 10 | 0 | 662 | 4 | 20 | 0 | 0 | 0 | 2 | 387 | 310 | 69 | 0 | 1455 |
| 11 | 0 | 217 | 4 | 13 | 0 | 0 | 0 | 2 | 67 | 238 | 28 | 0 | 569 |
| 12 | 0 | 145 | 6 | 14 | 0 | 0 | 0 | 1 | 35 | 341 | 37 | 0 | 579 |
| 13 | 0 | 116 | 5 | 15 | 0 | 0 | 0 | 4 | 14 | 103 | 33 | 0 | 289 |
| 14 | 0 | 83 | 5 | 13 | 0 | 0 | 0 | 5 | 6 | 154 | 10 | 0 | 275 |
| 15 | 0 | 63 | 9 | 16 | 0 | 0 | 0 | 0 | 1 | 16 | 8 | 0 | 122 |
| 16 | 0 | 13 | 11 | 17 | 0 | 0 | 0 | 0 | 1 | 16 | 5 | 0 | 63 |
| 17 | 0 | 8 | 6 | 16 | 0 | 0 | 0 | 0 | 0 | 3 | 2 | 0 | 34 |
| 18 | 0 | 1 | 8 | 19 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 0 | 31 |
| 19 | 0 | 0 | 7 | 22 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 0 | 32 |
| 20 | 0 | 0 | 8 | 24 | 116 | 3314 | 0 | 0 | 0 | 0 | 2 | 0 | 3465 |
| 21 | 0 | 0 | 6 | 17 | 0 | 1693 | 0 | 0 | 0 | 0 | 0 | 0 | 1716 |
| 22 | 0 | 0 | 2 | 10 | 166 | 1002 | 0 | 0 | 0 | 0 | 0 | 0 | 1181 |
| 23 | 0 | 0 | 2 | 8 | 184 | 512 | 0 | 0 | 0 | 0 | 0 | 0 | 706 |
| 24 | 0 | 0 | 1 | 6 | 0 | 410 | 0 | 0 | 0 | 0 | 0 | 0 | 417 |
| 25 | 0 | 0 | 2 | 6 | 0 | 218 | 0 | 0 | 0 | 0 | 0 | 0 | 225 |
| 26 | 0 | 0 | 0 | 9 | 222 | 257 | 0 | 0 | 0 | 0 | 0 | 0 | 489 |
| 27 | 0 | 0 | 2 | 5 | 30 | 224 | 0 | 0 | 0 | 0 | 0 | 0 | 261 |
| 28 | 0 | 0 | 0 | 7 | 85 | 128 | 0 | 0 | 0 | 0 | 0 | 0 | 220 |
| 29 | 0 | 0 | 0 | 1 | 9 | 75 | 0 | 0 | 0 | 0 | 0 | 0 | 86 |
| 30 | 0 | 0 | 0 | 3 | 177 | 66 | 0 | 0 | 0 | 0 | 0 | 0 | 246 |
| 31 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 32 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 33 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 34 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 35 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

0. 3713. 330. 710. 991. 7899. 0. 570. 9934. 34912. 13495. 0. 72553.

RETIRED POPULATION 31616. 29906. 262488. 0. 324099.

 * AIR FORCE ENLISTED CURRENT OBJECTIVE--9 CATEGORIES *DEMO*DEMO*
 * FILENAME= FCE09CAT CURRENT
 * DATE= 12/16/83 TIME= 14:54:22

***** CATEGORY= TOTAL FORCE *****

| | GRADE-1 | GRADE-2 | GRADE-3 | GRADE-4 | GRADE-5 | GRADE-6 | GRADE-7 | GRADE-8 | GRADE-9 | GRADE-10 | TOTAL |
|----------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|---------|
| BEGIN STRENGTH | 0. | 0. | 169573. | 102264. | 100762. | 53258. | 34503. | 9525. | 4760. | 0. | 474646. |
| ****LOSSES**** | | | | | | | | | | | |
| PROM-OUT | 0. | 0. | 52177. | 27107. | 11374. | 6919. | 2864. | 1195. | 0. | 0. | 101635. |
| LOSS:XFR-OTH | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| LOSS:XFR-OFF | 0. | 0. | 419. | 335. | 1659. | 1178. | 122. | 0. | 0. | 0. | 3713. |
| LOSS:DEATH | 0. | 0. | 163. | 60. | 36. | 41. | 20. | 8. | 2. | 0. | 330. |
| LOSS:RET-DiS | 0. | 0. | 193. | 167. | 147. | 81. | 64. | 36. | 23. | 0. | 710. |
| LOSS:RET-FC | 0. | 0. | 0. | 0. | 116. | 350. | 253. | 94. | 177. | 0. | 991. |
| LOSS:RET-VOL | 0. | 0. | 0. | 0. | 9. | 1785. | 3582. | 1530. | 993. | 0. | 7899. |
| LOSS:RET-INV | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| LOSS:OTH-DiS | 0. | 0. | 406. | 122. | 34. | 8. | 0. | 0. | 0. | 0. | 570. |
| LOSS:OTH-FC | 0. | 0. | 336. | 7559. | 2029. | 9. | 0. | 0. | 0. | 0. | 9934. |
| LOSS:OTH-VOL | 0. | 0. | 6309. | 16348. | 11261. | 979. | 15. | 0. | 0. | 0. | 34912. |
| LOSS:OTH-INV | 0. | 0. | 11484. | 1545. | 442. | 24. | 0. | 0. | 0. | 0. | 13495. |
| TOTAL LOSSES | 0. | 0. | 71487. | 53243. | 27107. | 11374. | 6919. | 2864. | 1195. | 0. | 174188. |
| ****GAINS**** | | | | | | | | | | | |
| GAINS TO | 0. | 0. | 71487. | 1066. | 0. | 0. | 0. | 0. | 0. | 0. | 72553. |
| GAINS OTHER | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| PROM-IN | 0. | 0. | 0. | 52177. | 27107. | 11374. | 6919. | 2864. | 1195. | 0. | 101635. |
| TOTAL GAINS | 0. | 0. | 71487. | 53243. | 27107. | 11374. | 6919. | 2864. | 1195. | 0. | 174188. |
| END STRENGTH | 0. | 0. | 169573. | 102264. | 100762. | 53258. | 34503. | 9525. | 4760. | 0. | 474646. |

***** COAST GUARD ENLISTED CURRENT OBJECTIVE--1 CATEGORY *****

* FILENAME= CC01CAT CURRENT *

DATE= 12/16/83

TIME= 14:57:05

***** TOTAL FORCE DISPLAY *****

| YOS | G:TO | G:OTH | GRD-1 | GRD-2 | GRD-3 | GRD-4 | GRD-5 | GRD-6 | GRD-7 | GRD-8 | GRD-9 | GRD10 | TOTAL LOSSES | LOSS | RETN | CONT | |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------------|-------|--------|--------|--------|
| 1 | 5708. | 0. | 0. | 0. | 5708. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 5708. | 204. | 0.0358 | 0.9642 | 1.0000 |
| 2 | 0. | 0. | 0. | 0. | 1998. | 3505. | 0. | 0. | 0. | 0. | 0. | 0. | 5503. | 701. | 0.1274 | 0.8726 | 0.9642 |
| 3 | 0. | 0. | 0. | 0. | 1082. | 2556. | 1164. | 0. | 0. | 0. | 0. | 0. | 4802. | 2677. | 0.5575 | 0.4425 | 0.8413 |
| 4 | 0. | 0. | 0. | 0. | 255. | 890. | 850. | 0. | 0. | 0. | 0. | 0. | 2125. | 418. | 0.1968 | 0.8032 | 0.3723 |
| 5 | 0. | 0. | 0. | 0. | 120. | 467. | 825. | 129. | 0. | 0. | 0. | 0. | 1707. | 270. | 0.1580 | 0.8420 | 0.2990 |
| 6 | 0. | 0. | 0. | 0. | 65. | 284. | 623. | 465. | 0. | 0. | 0. | 0. | 1437. | 157. | 0.1093 | 0.8907 | 0.2518 |
| 7 | 0. | 0. | 0. | 0. | 40. | 206. | 481. | 520. | 33. | 0. | 0. | 0. | 1280. | 229. | 0.1790 | 0.8210 | 0.2242 |
| 8 | 0. | 0. | 0. | 0. | 18. | 134. | 329. | 519. | 51. | 0. | 0. | 0. | 1051. | 156. | 0.1484 | 0.8516 | 0.1841 |
| 9 | 0. | 0. | 0. | 0. | 10. | 51. | 232. | 500. | 102. | 0. | 0. | 0. | 895. | 86. | 0.0963 | 0.9037 | 0.1565 |
| 10 | 0. | 0. | 0. | 0. | 5. | 35. | 165. | 444. | 160. | 0. | 0. | 0. | 809. | 79. | 0.0977 | 0.9023 | 0.1417 |
| 11 | 0. | 0. | 0. | 0. | 4. | 20. | 113. | 400. | 193. | 0. | 0. | 0. | 730. | 37. | 0.0567 | 0.9433 | 0.1278 |
| 12 | 0. | 0. | 0. | 0. | 2. | 13. | 72. | 379. | 227. | 0. | 0. | 0. | 693. | 54. | 0.0779 | 0.9221 | 0.1214 |
| 13 | 0. | 0. | 0. | 0. | 1. | 7. | 67. | 314. | 250. | 0. | 0. | 0. | 639. | 35. | 0.0548 | 0.9452 | 0.1119 |
| 14 | 0. | 0. | 0. | 0. | 0. | 5. | 52. | 257. | 268. | 22. | 0. | 0. | 604. | 9. | 0.0149 | 0.9851 | 0.1058 |
| 15 | 0. | 0. | 0. | 0. | 0. | 4. | 46. | 236. | 282. | 27. | 0. | 0. | 595. | 81. | 0.1364 | 0.8636 | 0.1042 |
| 16 | 0. | 0. | 0. | 0. | 0. | 3. | 36. | 190. | 250. | 35. | 0. | 0. | 514. | 157. | 0.3055 | 0.6945 | 0.0900 |
| 17 | 0. | 0. | 0. | 0. | 0. | 0. | 25. | 115. | 178. | 39. | 0. | 0. | 357. | 47. | 0.1320 | 0.8680 | 0.0625 |
| 18 | 0. | 0. | 0. | 0. | 0. | 0. | 20. | 79. | 148. | 48. | 15. | 0. | 310. | 14. | 0.0452 | 0.9548 | 0.0542 |
| 19 | 0. | 0. | 0. | 0. | 0. | 0. | 15. | 62. | 126. | 63. | 30. | 0. | 296. | 70. | 0.2365 | 0.7635 | 0.0518 |
| 20 | 0. | 0. | 0. | 0. | 0. | 0. | 8. | 42. | 90. | 50. | 36. | 0. | 226. | 41. | 0.1814 | 0.8186 | 0.0396 |
| 21 | 0. | 0. | 0. | 0. | 0. | 0. | 5. | 25. | 75. | 42. | 38. | 0. | 185. | 25. | 0.1352 | 0.8648 | 0.0324 |
| 22 | 0. | 0. | 0. | 0. | 0. | 0. | 3. | 20. | 60. | 37. | 40. | 0. | 160. | 43. | 0.2688 | 0.7312 | 0.0280 |
| 23 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 16. | 37. | 28. | 36. | 0. | 117. | 21. | 0.1797 | 0.8203 | 0.0205 |
| 24 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 12. | 30. | 24. | 30. | 0. | 96. | 17. | 0.1771 | 0.8229 | 0.0168 |
| 25 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 8. | 26. | 21. | 24. | 0. | 79. | 23. | 0.2911 | 0.7089 | 0.0138 |
| 26 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 3. | 20. | 15. | 18. | 0. | 56. | 15. | 0.2678 | 0.7322 | 0.0098 |
| 27 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 14. | 12. | 15. | 0. | 41. | 19. | 0.4634 | 0.5366 | 0.0072 |
| 28 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 7. | 6. | 9. | 0. | 22. | 9. | 0.4091 | 0.5909 | 0.0038 |
| 29 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 5. | 3. | 5. | 0. | 13. | 4. | 0.3077 | 0.6923 | 0.0023 |
| 30 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 3. | 2. | 4. | 0. | 9. | 4. | 0.4444 | 0.5556 | 0.0016 |
| 31 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | 4. | 0. | 5. | 1. | 0.1999 | 0.8001 | 0.0009 |
| 32 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 4. | 0. | 4. | 0. | 0.0 | 1.0000 | 0.0007 |
| 33 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 4. | 0. | 4. | 2. | 0.5000 | 0.5000 | 0.0007 |
| 34 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 2. | 0. | 2. | 0. | 0.0 | 1.0000 | 0.0004 |
| 35 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 2. | 0. | 2. | 2. | 1.0000 | 0.0 | 0.0004 |

| | | | | | | | | | | | | | | | | | |
|--------------|-------|-----|-----|-----|-------|-------|-------|-------|-------|-------|-------|-----|--------|-------|--------|--------|--------|
| TOT | 5708. | 0. | 0. | 0. | 9308. | 8180. | 5130. | 5027. | 2634. | 475. | 316. | 0. | 31070. | 5708. | 0.1837 | 0.8163 | 5.4435 |
| AVERAGE YOS | | | | | 1.18 | 2.71 | 5.51 | 9.84 | 14.51 | 19.49 | 22.59 | 0.0 | | | | | |
| PRODUCTIVITY | | 0.0 | 0.0 | 0.0 | 1497. | 4051. | 4335. | 4995. | 2634. | 475. | 316. | 0.0 | | | | | 18303. |

 * COAST GUARD ENLISTED CURRENT OBJECTIVE--1 CATEGORY
 *
 * FILENAME= CCE01CAT CURRENT DATE= 12/16/83 TIME= 14:57:10

***** TOTAL FORCE LOSS DISPLAY *****

| YR | XFROTH | XFROFF | DEATH | RETDIS | RET FC | RETVOL | RETIIV | OTHDIS | OTH FC | OTHVOL | OTHINV | PROMOUT | TOTALS |
|----|--------|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| 1 | 0. | 0. | 4. | 0. | 0. | 0. | 0. | 0. | 200. | 0. | 0. | 0. | 204. |
| 2 | 0. | 0. | 5. | 3. | 0. | 0. | 0. | 0. | 693. | 0. | 0. | 0. | 701. |
| 3 | 0. | 0. | 6. | 3. | 0. | 0. | 0. | 0. | 2669. | 0. | 0. | 0. | 2677. |
| 4 | 0. | 0. | 3. | 2. | 0. | 0. | 0. | 0. | 413. | 0. | 0. | 0. | 418. |
| 5 | 0. | 0. | 1. | 4. | 0. | 0. | 0. | 0. | 265. | 0. | 0. | 0. | 270. |
| 6 | 0. | 0. | 1. | 4. | 0. | 0. | 0. | 0. | 152. | 0. | 0. | 0. | 157. |
| 7 | 0. | 0. | 1. | 2. | 0. | 0. | 0. | 0. | 226. | 0. | 0. | 0. | 229. |
| 8 | 0. | 0. | 1. | 2. | 0. | 0. | 0. | 0. | 154. | 0. | 0. | 0. | 156. |
| 9 | 0. | 0. | 1. | 1. | 0. | 0. | 0. | 0. | 85. | 0. | 0. | 0. | 86. |
| 10 | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 77. | 0. | 0. | 0. | 79. |
| 11 | 0. | 0. | 1. | 1. | 0. | 0. | 0. | 0. | 35. | 0. | 0. | 0. | 37. |
| 12 | 0. | 0. | 1. | 1. | 0. | 0. | 0. | 0. | 53. | 0. | 0. | 0. | 54. |
| 13 | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 34. | 0. | 0. | 0. | 35. |
| 14 | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 8. | 0. | 0. | 0. | 9. |
| 15 | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 80. | 0. | 0. | 0. | 81. |
| 16 | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 156. | 0. | 0. | 0. | 157. |
| 17 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 47. | 0. | 0. | 0. | 47. |
| 18 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 14. | 0. | 0. | 0. | 14. |
| 19 | 0. | 0. | 0. | 0. | 6. | 0. | 0. | 0. | 64. | 0. | 0. | 0. | 70. |
| 20 | 0. | 0. | 0. | 2. | 39. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 41. |
| 21 | 0. | 0. | 0. | 2. | 23. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 25. |
| 22 | 0. | 0. | 0. | 2. | 41. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 43. |
| 23 | 0. | 0. | 0. | 2. | 19. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 21. |
| 24 | 0. | 0. | 0. | 1. | 16. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 17. |
| 25 | 0. | 0. | 0. | 1. | 22. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 23. |
| 26 | 0. | 0. | 0. | 1. | 15. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 15. |
| 27 | 0. | 0. | 0. | 1. | 18. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 19. |
| 28 | 0. | 0. | 0. | 0. | 9. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 9. |
| 29 | 0. | 0. | 0. | 0. | 4. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 4. |
| 30 | 0. | 0. | 0. | 0. | 4. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 4. |
| 31 | 0. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. |
| 32 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 33 | 0. | 0. | 0. | 0. | 2. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 2. |
| 34 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 35 | 0. | 0. | 0. | 0. | 2. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 2. |

RETIRED POPULATION 0. 27. 39. 220. 0. 5422. 0. 5708.
 1636. 6971. 0. 6971. 8697.

 * COAST GUARD ENLISTED CURRENT OBJECTIVE--1 CATEGORY
 *
 * FILENAME= CCEDICAT CURRENT
 * DATE= 12/16/83 TIME= 14:57:12

***** CATEGORY= TOTAL FORCE *****

***** FLOW RECONCILIATION *****

| BEG # | STRENGTH | GRADE-1 | GRADE-2 | GRADE-3 | GRADE-4 | GRADE-5 | GRADE-6 | GRADE-7 | GRADE-8 | GRADE-9 | GRADE-10 | TOTAL |
|------------------|----------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|--------|
| 0. | 0. | 0. | 0. | 9308. | 8180. | 5130. | 5027. | 2634. | 475. | 316. | 0. | 31070. |
| *****LOSSES***** | | | | | | | | | | | | |
| PROM-OUT | 0. | 0. | 0. | 4342. | 2164. | 1070. | 495. | 163. | 74. | 0. | 0. | 8308. |
| LOSS:XFR-OTH | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| LOSS:XFR-OFF | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| LOSS:DEATH | 0. | 0. | 0. | 9. | 8. | 4. | 4. | 2. | 0. | 0. | 0. | 27. |
| LOSS:RET-DIS | 0. | 0. | 0. | 0. | 11. | 6. | 10. | 7. | 3. | 2. | 0. | 39. |
| LOSS:RET-FC | 0. | 0. | 0. | 0. | 0. | 5. | 22. | 68. | 53. | 72. | 0. | 220. |
| LOSS:RET-VOL | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| LOSS:RET-INV | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| LOSS:OTH-DIS | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| LOSS:OTH-FC | 0. | 0. | 1356. | 2159. | 1079. | 539. | 256. | 33. | 0. | 0. | 0. | 5422. |
| LOSS:OTH-VOL | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| LOSS:OTH-INV | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| TOTAL LOSSES | 0. | 0. | 5708. | 4342. | 2164. | 1070. | 495. | 163. | 74. | 316. | 0. | 14016. |
| *****GAINS***** | | | | | | | | | | | | |
| GAINS TO | 0. | 0. | 5708. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 5708. |
| GAINS OTHER | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| PROM-IN | 0. | 0. | 0. | 4342. | 2164. | 1070. | 495. | 163. | 74. | 74. | 0. | 8308. |
| TOTAL GAINS | 0. | 0. | 5708. | 4342. | 2164. | 1070. | 495. | 163. | 74. | 74. | 0. | 14016. |
| END STRENGTH | 0. | 0. | 9308. | 8180. | 5130. | 5027. | 2634. | 475. | 316. | 0. | 0. | 31070. |

* ARMY BASELINE OFFICERS--12 CATEGORIES (REVISED 23 MAY) *
* FILENAME= ABO12CAT BASELINE *
* DATE= 12/16/83 TIME= 15:01:29 *

***** TOTAL FORCE DISPLAY *****

| YOS | G: TO | G: OTH | GRD-1 | GRD-2 | GRD-3 | GRD-4 | GRD-5 | GRD-6 | GRD-7 | GRD-8 | GRD-9 | GRD10 | TOTAL LOSSES | LOSS | RETN | CONT | |
|-----|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------------|------|--------|--------|--------|
| 1 | 7233. | 0. | 6297. | 31. | 905. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 7233. | 531. | 0.0734 | 0.9266 | 1.0000 |
| 2 | 3. | 0. | 4965. | 810. | 930. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 6705. | 536. | 0.0800 | 0.9200 | 0.9266 |
| 3 | 3. | 0. | 0. | 5258. | 913. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 6172. | 608. | 0.0985 | 0.9015 | 0.8524 |
| 4 | 6. | 60. | 0. | 4309. | 1320. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 5629. | 321. | 0.0570 | 0.9430 | 0.7684 |
| 5 | 7. | 0. | 0. | 853. | 4437. | 25. | 0. | 0. | 0. | 0. | 0. | 0. | 5315. | 464. | 0.0873 | 0.9127 | 0.7246 |
| 6 | 7. | 0. | 0. | 0. | 4424. | 434. | 0. | 0. | 0. | 0. | 0. | 0. | 4858. | 209. | 0.0429 | 0.9571 | 0.6613 |
| 7 | 2. | 0. | 0. | 0. | 4243. | 408. | 0. | 0. | 0. | 0. | 0. | 0. | 4651. | 303. | 0.0650 | 0.9350 | 0.6329 |
| 8 | 3. | 0. | 0. | 0. | 3975. | 377. | 0. | 0. | 0. | 0. | 0. | 0. | 4352. | 186. | 0.0427 | 0.9573 | 0.5918 |
| 9 | 0. | 0. | 0. | 0. | 3807. | 358. | 0. | 0. | 0. | 0. | 0. | 0. | 4166. | 268. | 0.0642 | 0.9358 | 0.5665 |
| 10 | 3. | 0. | 0. | 0. | 3548. | 350. | 3. | 0. | 0. | 0. | 0. | 0. | 3901. | 346. | 0.0887 | 0.9113 | 0.5301 |
| 11 | 7. | 0. | 0. | 0. | 1831. | 1722. | 9. | 0. | 0. | 0. | 0. | 0. | 3562. | 222. | 0.0625 | 0.9375 | 0.4831 |
| 12 | 3. | 0. | 0. | 0. | 758. | 2521. | 64. | 0. | 0. | 0. | 0. | 0. | 3342. | 216. | 0.0648 | 0.9352 | 0.4529 |
| 13 | 3. | 0. | 0. | 0. | 259. | 2693. | 177. | 0. | 0. | 0. | 0. | 0. | 3129. | 166. | 0.0531 | 0.9469 | 0.4236 |
| 14 | 3. | 0. | 0. | 0. | 100. | 2665. | 201. | 0. | 0. | 0. | 0. | 0. | 29654. | 210. | 0.0708 | 0.9292 | 0.4011 |
| 15 | 3. | 0. | 0. | 0. | 9. | 2275. | 474. | 0. | 0. | 0. | 0. | 0. | 2758. | 180. | 0.0652 | 0.9348 | 0.3727 |
| 16 | 0. | 0. | 0. | 0. | 7. | 1885. | 686. | 1. | 0. | 0. | 0. | 0. | 2578. | 221. | 0.0857 | 0.9143 | 0.3483 |
| 17 | 0. | 0. | 0. | 0. | 7. | 635. | 1711. | 4. | 0. | 0. | 0. | 0. | 2358. | 167. | 0.0707 | 0.9293 | 0.3185 |
| 18 | 2. | 0. | 0. | 0. | 7. | 417. | 1731. | 38. | 0. | 0. | 0. | 0. | 2193. | 166. | 0.0758 | 0.9242 | 0.2960 |
| 19 | 6. | 0. | 0. | 0. | 7. | 305. | 1670. | 44. | 0. | 0. | 0. | 0. | 2027. | 176. | 0.0869 | 0.9131 | 0.2736 |
| 20 | 0. | 0. | 6. | 0. | 7. | 265. | 1516. | 62. | 0. | 0. | 0. | 0. | 1851. | 325. | 0.1754 | 0.8246 | 0.2498 |
| 21 | 17. | 0. | 0. | 0. | 0. | 17. | 1166. | 342. | 0. | 0. | 0. | 0. | 1526. | 96. | 0.0630 | 0.9370 | 0.2060 |
| 22 | 0. | 0. | 0. | 0. | 0. | 15. | 713. | 702. | 0. | 0. | 0. | 0. | 1430. | 170. | 0.1189 | 0.8811 | 0.1930 |
| 23 | 0. | 0. | 0. | 0. | 0. | 14. | 441. | 804. | 0. | 0. | 0. | 0. | 1260. | 178. | 0.1409 | 0.8591 | 0.1700 |
| 24 | 0. | 0. | 0. | 0. | 0. | 4. | 273. | 805. | 0. | 0. | 0. | 0. | 1082. | 179. | 0.1656 | 0.8344 | 0.1461 |
| 25 | 0. | 0. | 0. | 0. | 0. | 0. | 226. | 677. | 0. | 0. | 0. | 0. | 903. | 157. | 0.1735 | 0.8265 | 0.1219 |
| 26 | 0. | 0. | 0. | 0. | 0. | 0. | 187. | 559. | 0. | 0. | 0. | 0. | 746. | 149. | 0.2000 | 0.8000 | 0.1007 |
| 27 | 0. | 0. | 0. | 0. | 0. | 0. | 150. | 447. | 0. | 0. | 0. | 0. | 597. | 135. | 0.2269 | 0.7731 | 0.0806 |
| 28 | 0. | 0. | 0. | 0. | 0. | 0. | 119. | 343. | 0. | 0. | 0. | 0. | 462. | 167. | 0.3620 | 0.6380 | 0.0623 |
| 29 | 0. | 0. | 0. | 0. | 0. | 0. | 6. | 288. | 0. | 0. | 0. | 0. | 294. | 116. | 0.3937 | 0.6063 | 0.0397 |
| 30 | 0. | 0. | 0. | 0. | 0. | 0. | 5. | 174. | 0. | 0. | 0. | 0. | 179. | 172. | 0.9608 | 0.0392 | 0.0241 |
| 31 | 0. | 0. | 0. | 0. | 0. | 0. | 3. | 4. | 0. | 0. | 0. | 0. | 7. | 4. | 0.5723 | 0.4277 | 0.0009 |
| 32 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 3. | 0. | 0. | 0. | 0. | 3. | 0. | 0.0 | 1.0000 | 0.0004 |
| 33 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 2. | 0. | 0. | 0. | 0. | 3. | 1. | 0.3333 | 0.6667 | 0.0004 |
| 34 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 2. | 2. | 1.0000 | 0.0 | 0.0003 |
| 35 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0.0 | 1.0000 | 0.0 |

TOT 7288. 60. 11262. 11261. 31493. 17387. 11532. 5303. 7347. 0.0833 0.9167 12.0095
AVERAGE YOS 0.94
PRODUCTIVITY 1241. 2.96 6.66 12.82 18.72 24.09 0.0 0.0 0.0 0.0 0.0 9.30
71483.

* ARMY BASELINE OFFICERS--12 CATEGORIES (REVISED 23 MAY) *
* FILENAME= AB012CAT BASELINE *

DATE= 12/16/83
TIME= 15:01:29

***** TOTAL FORCE LOSS DISPLAY *****

| YR | XFROTH | XFROFF | DEATH | RETDIS | RET FC | RETVOL | RETINV | OTHDIS | OTH FC | OTHVOL | OTHINV | PROMOUT | TOTALS |
|----|--------|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| 1 | 0. | 0. | 2. | 7. | 0. | 0. | 0. | 12. | 269. | 123. | 118. | 0. | 531. |
| 2 | 0. | 0. | 3. | 6. | 0. | 0. | 0. | 9. | 232. | 144. | 122. | 0. | 536. |
| 3 | 0. | 0. | 3. | 6. | 0. | 0. | 0. | 8. | 403. | 112. | 75. | 0. | 698. |
| 4 | 0. | 0. | 3. | 6. | 0. | 0. | 0. | 6. | 103. | 134. | 68. | 0. | 321. |
| 5 | 0. | 0. | 2. | 7. | 0. | 0. | 0. | 5. | 240. | 150. | 60. | 0. | 464. |
| 6 | 0. | 0. | 3. | 7. | 0. | 0. | 0. | 4. | 46. | 91. | 57. | 0. | 209. |
| 7 | 0. | 0. | 2. | 7. | 0. | 0. | 0. | 6. | 101. | 157. | 30. | 0. | 303. |
| 8 | 0. | 0. | 3. | 8. | 0. | 0. | 0. | 3. | 32. | 87. | 53. | 0. | 122. |
| 9 | 0. | 0. | 2. | 8. | 0. | 0. | 0. | 3. | 162. | 42. | 51. | 0. | 268. |
| 10 | 0. | 0. | 2. | 8. | 0. | 0. | 0. | 4. | 216. | 60. | 56. | 0. | 346. |
| 11 | 0. | 0. | 3. | 8. | 0. | 0. | 0. | 2. | 115. | 71. | 24. | 0. | 222. |
| 12 | 0. | 0. | 2. | 8. | 0. | 0. | 0. | 3. | 132. | 35. | 36. | 0. | 216. |
| 13 | 0. | 0. | 4. | 9. | 0. | 0. | 0. | 2. | 103. | 29. | 19. | 0. | 166. |
| 14 | 0. | 0. | 3. | 9. | 0. | 1. | 0. | 1. | 150. | 21. | 25. | 0. | 210. |
| 15 | 0. | 0. | 4. | 9. | 0. | 1. | 0. | 8. | 119. | 24. | 24. | 0. | 180. |
| 16 | 0. | 0. | 2. | 9. | 0. | 0. | 0. | 1. | 157. | 19. | 32. | 0. | 221. |
| 17 | 0. | 0. | 2. | 9. | 0. | 0. | 1. | 1. | 127. | 11. | 15. | 0. | 167. |
| 18 | 0. | 0. | 2. | 9. | 0. | 0. | 0. | 2. | 135. | 9. | 8. | 0. | 166. |
| 19 | 0. | 0. | 3. | 9. | 0. | 6. | 0. | 1. | 138. | 10. | 8. | 0. | 176. |
| 20 | 0. | 0. | 4. | 11. | 224. | 58. | 22. | 0. | 0. | 0. | 6. | 0. | 325. |
| 21 | 0. | 0. | 5. | 10. | 45. | 28. | 7. | 0. | 0. | 0. | 1. | 0. | 96. |
| 22 | 0. | 0. | 1. | 9. | 119. | 38. | 3. | 0. | 0. | 0. | 0. | 0. | 170. |
| 23 | 0. | 0. | 2. | 10. | 138. | 14. | 1. | 10. | 0. | 0. | 1. | 1. | 178. |
| 24 | 0. | 0. | 1. | 9. | 123. | 35. | 5. | 0. | 0. | 0. | 6. | 0. | 179. |
| 25 | 0. | 0. | 1. | 9. | 120. | 25. | 0. | 0. | 0. | 0. | 1. | 1. | 157. |
| 26 | 0. | 0. | 1. | 7. | 123. | 18. | 0. | 0. | 0. | 0. | 0. | 1. | 149. |
| 27 | 0. | 0. | 1. | 7. | 113. | 13. | 1. | 0. | 0. | 0. | 0. | 1. | 135. |
| 28 | 0. | 0. | 0. | 6. | 143. | 15. | 1. | 0. | 0. | 0. | 1. | 1. | 167. |
| 29 | 0. | 0. | 0. | 3. | 102. | 8. | 2. | 0. | 0. | 0. | 0. | 1. | 116. |
| 30 | 0. | 0. | 0. | 2. | 107. | 60. | 2. | 0. | 0. | 0. | 0. | 1. | 172. |
| 31 | 0. | 0. | 0. | 0. | 0. | 4. | 0. | 0. | 0. | 0. | 0. | 0. | 4. |
| 32 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 33 | 0. | 0. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 0. | 0. | 1. |
| 34 | 0. | 0. | 0. | 0. | 0. | 2. | 0. | 0. | 0. | 0. | 0. | 0. | 2. |
| 35 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |

0. 66. 232. 1357. 327. 45. 94. 2993. 1328. 897. 7. 7347.

RETIRED POPULATION 9002. 40999. 9944. 1476. 61421.

1----(52419.)----1

 * ARMY BASELINE OFFICERS--12 CATEGORIES (REVISED 23 MAY) *
 * FILENAME= AB012CAT BASELINE *
 * DATE= 12/16/83 TIME= 15:01:30 *

***** CATEGORY= TOTAL FORCE *****

***** FLOW RECONCILIATION *****

| | GRADE-1 | GRADE-2 | GRADE-3 | GRADE-4 | GRADE-5 | GRADE-6 | GRADE-7 | GRADE-8 | GRADE-9 | GRADE-10 | TOTAL |
|----------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|--------|
| BEGIN STRENGTH | 11262. | 11261. | 31493. | 17387. | 11532. | 5303. | 0. | 0. | 0. | 0. | 88239. |
| ****LOSSES**** | | | | | | | | | | | |
| PROM-OUT | 5338. | 4403. | 3323. | 1872. | 892. | 7. | 0. | 0. | 0. | 0. | 15835. |
| LOSS:XFR-OTH | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| LOSS:XFR-OFF | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| LOSS:DEATH | 5. | 5. | 18. | 14. | 15. | 10. | 0. | 0. | 0. | 0. | 66. |
| LOSS:RET-DIS | 13. | 14. | 52. | 49. | 59. | 45. | 0. | 0. | 0. | 0. | 232. |
| LOSS:RET-FC | 0. | 0. | 0. | 177. | 569. | 611. | 0. | 0. | 0. | 0. | 1357. |
| LOSS:RET-VOL | 0. | 0. | 7. | 32. | 92. | 197. | 0. | 0. | 0. | 0. | 327. |
| LOSS:RET-INV | 0. | 0. | 0. | 24. | 7. | 14. | 0. | 0. | 0. | 0. | 45. |
| LOSS:OTH-DIS | 21. | 15. | 26. | 26. | 5. | 0. | 0. | 0. | 0. | 0. | 94. |
| LOSS:OTH-FC | 506. | 597. | 1100. | 653. | 136. | 0. | 0. | 0. | 0. | 0. | 2993. |
| LOSS:OTH-VOL | 204. | 181. | 505. | 384. | 53. | 1. | 0. | 0. | 0. | 0. | 1328. |
| LOSS:OTH-INV | 210. | 159. | 360. | 112. | 49. | 7. | 0. | 0. | 0. | 0. | 897. |
| TOTAL LOSSES | 6297. | 5375. | 5391. | 3344. | 1876. | 892. | 0. | 0. | 0. | 0. | 23175. |
| ****GAINS**** | | | | | | | | | | | |
| GAINS TO | 6297. | 37. | 928. | 22. | 4. | 0. | 0. | 0. | 0. | 0. | 7288. |
| GAINS OTHER | 0. | 0. | 60. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 60. |
| PROM-IN | 0. | 5003. | 4403. | 3323. | 1872. | 892. | 0. | 0. | 0. | 0. | 15828. |
| TOTAL GAINS | 6297. | 5375. | 5391. | 3345. | 1876. | 892. | 0. | 0. | 0. | 0. | 23176. |
| END STRENGTH | 11262. | 11261. | 31493. | 17388. | 11532. | 5303. | 0. | 0. | 0. | 0. | 88240. |

* NAVY OFFICER BASELINE (DOPMA REV) *
* FILENAME= NBO13CAT BASELINE *
* DATE= 12/16/83 *
* TIME= 15:01:46 *

***** TOTAL FORCE DISPLAY *****

| YOS | G:IO | G:OTH | GRD-1 | GRD-2 | GRD-3 | GRD-4 | GRD-5 | GRD-6 | GRD-7 | GRD-8 | GRD-9 | GRD10 | TOTAL LOSSES | LOSS | RETN | CONT | |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------------|------|--------|--------|--------|
| 1 | 4571. | 0. | 4571. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 4571. | 85. | 0.0185 | 0.9815 | 1.0000 |
| 2 | 0. | 228. | 4486. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 4486. | 118. | 0.0263 | 0.9737 | 0.9815 |
| 3 | 117. | 0. | 0. | 4485. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 4485. | 253. | 0.0565 | 0.9435 | 0.9556 |
| 4 | 68. | 0. | 0. | 4300. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 4300. | 345. | 0.0802 | 0.9198 | 0.9017 |
| 5 | 541. | 34. | 0. | 0. | 4496. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 4496. | 465. | 0.1033 | 0.8967 | 0.8293 |
| 6 | 0. | 0. | 0. | 0. | 4031. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 4031. | 611. | 0.1516 | 0.8484 | 0.7436 |
| 7 | 0. | 0. | 0. | 0. | 3. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 3420. | 303. | 0.0887 | 0.9113 | 0.6309 |
| 8 | 0. | 0. | 0. | 0. | 3116. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 3116. | 296. | 0.0950 | 0.9050 | 0.5749 |
| 9 | 0. | 47. | 0. | 0. | 2820. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 2820. | 5. | 0.0019 | 0.9981 | 0.5203 |
| 10 | 0. | 0. | 0. | 0. | 2012. | 803. | 0. | 0. | 0. | 0. | 0. | 0. | 2815. | 104. | 0.0371 | 0.9629 | 0.5193 |
| 11 | 0. | 0. | 0. | 0. | 1018. | 1693. | 0. | 0. | 0. | 0. | 0. | 0. | 2711. | 466. | 0.1718 | 0.8282 | 0.5001 |
| 12 | 0. | 31. | 0. | 0. | 294. | 1951. | 0. | 0. | 0. | 0. | 0. | 0. | 2245. | 473. | 0.2108 | 0.7892 | 0.4142 |
| 13 | 0. | 202. | 0. | 0. | 22. | 1750. | 0. | 0. | 0. | 0. | 0. | 0. | 1772. | 97. | 0.0547 | 0.9453 | 0.3269 |
| 14 | 0. | 9. | 0. | 0. | 0. | 1675. | 0. | 0. | 0. | 0. | 0. | 0. | 1675. | 48. | 0.0286 | 0.9714 | 0.3090 |
| 15 | 0. | 2. | 0. | 0. | 0. | 1621. | 6. | 0. | 0. | 0. | 0. | 0. | 1627. | 3. | 0.0016 | 0.9984 | 0.3001 |
| 16 | 0. | 0. | 0. | 0. | 0. | 729. | 895. | 0. | 0. | 0. | 0. | 0. | 1624. | 2. | 0.0015 | 0.9985 | 0.2997 |
| 17 | 0. | 0. | 0. | 0. | 0. | 577. | 1045. | 0. | 0. | 0. | 0. | 0. | 1622. | 5. | 0.0030 | 0.9970 | 0.2992 |
| 18 | 0. | 0. | 0. | 0. | 0. | 574. | 1043. | 0. | 0. | 0. | 0. | 0. | 1617. | 7. | 0.0041 | 0.9959 | 0.2983 |
| 19 | 0. | 0. | 0. | 0. | 0. | 533. | 1077. | 0. | 0. | 0. | 0. | 0. | 1610. | 84. | 0.0522 | 0.9478 | 0.2971 |
| 20 | 0. | 34. | 0. | 0. | 0. | 488. | 1039. | 0. | 0. | 0. | 0. | 0. | 1526. | 477. | 0.3128 | 0.6872 | 0.2816 |
| 21 | 0. | 0. | 0. | 0. | 0. | 12. | 901. | 136. | 0. | 0. | 0. | 0. | 1049. | 20. | 0.0190 | 0.9810 | 0.1935 |
| 22 | 0. | 0. | 0. | 0. | 0. | 12. | 637. | 380. | 0. | 0. | 0. | 0. | 1029. | 38. | 0.0365 | 0.9635 | 0.1898 |
| 23 | 0. | 0. | 0. | 0. | 0. | 9. | 423. | 560. | 0. | 0. | 0. | 0. | 991. | 89. | 0.0896 | 0.9104 | 0.1829 |
| 24 | 0. | 0. | 0. | 0. | 0. | 9. | 336. | 558. | 0. | 0. | 0. | 0. | 902. | 312. | 0.3455 | 0.6545 | 0.1665 |
| 25 | 0. | 0. | 0. | 0. | 0. | 0. | 34. | 556. | 0. | 0. | 0. | 0. | 591. | 304. | 0.5144 | 0.4856 | 0.1090 |
| 26 | 0. | 0. | 0. | 0. | 0. | 0. | 10. | 277. | 0. | 0. | 0. | 0. | 287. | 0. | 0.0012 | 0.9988 | 0.0529 |
| 27 | 0. | 0. | 0. | 0. | 0. | 0. | 10. | 277. | 0. | 0. | 0. | 0. | 286. | 4. | 0.0136 | 0.9864 | 0.0529 |
| 28 | 0. | 0. | 0. | 0. | 0. | 0. | 10. | 273. | 0. | 0. | 0. | 0. | 283. | 145. | 0.5134 | 0.4866 | 0.0521 |
| 29 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 137. | 0. | 0. | 0. | 0. | 137. | 13. | 0.0920 | 0.9080 | 0.0254 |
| 30 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 125. | 0. | 0. | 0. | 0. | 125. | 94. | 0.7531 | 0.2469 | 0.0230 |
| 31 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 31. | 0. | 0. | 0. | 0. | 31. | 0. | 0.0 | 1.0000 | 0.0057 |
| 32 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 31. | 0. | 0. | 0. | 0. | 31. | 0. | 0.0 | 1.0000 | 0.0057 |
| 33 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 31. | 0. | 0. | 0. | 0. | 31. | 0. | 0.0 | 1.0000 | 0.0057 |
| 34 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 31. | 0. | 0. | 0. | 0. | 31. | 0. | 0.0 | 1.0000 | 0.0057 |
| 35 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 31. | 0. | 0. | 0. | 0. | 31. | 31. | 1.0000 | 0.0 | 0.0057 |

TOT 5297. 587. 9057. 8784. 21229. 12434. 7465. 3432. 0. 0. 0. 0. 62402. 5296. 0.0849 0.9151 11.7821
AVERAGE YOS 1.00 2.99 6.85 13.43 18.86 24.70 0.0 0.0 0.0 0.0 9.19
PRODUCTIVITY 1121. 5467. 21229. 12434. 7465. 3432. 0. 0. 0. 0. 51149.

NAVY OFFICER BASELINE (DOPMA REV)

DATE= 12/16/83

TIME= 15:01:47

BASELINE

FILENAME= NB013CAT

***** TOTAL FORCE LOSS DISPLAY *****

| YR | XFROTH | XFROFF | DEATH | RETDIS | RET | RETFC | RETVOL | RETNV | OTHDIS | OTHFC | OTHVOL | OTHINV | PROMOUT | TOTALS |
|------|--------|--------|-------|--------|-------|-------|--------|-------|--------|-------|--------|--------|---------|--------|
| 1 | 229. | 0. | 3. | 0. | 0. | 0. | 0. | 0. | 0. | 80. | 0. | 1. | 0. | 85. |
| 2 | 0. | 0. | 5. | 1. | 0. | 0. | 0. | 0. | 0. | 110. | 0. | 3. | 0. | 118. |
| 3 | 0. | 0. | 11. | 1. | 0. | 0. | 0. | 0. | 0. | 241. | 0. | 0. | 0. | 253. |
| 4 | 34. | 0. | 6. | 0. | 0. | 0. | 0. | 0. | 0. | 334. | 0. | 5. | 0. | 345. |
| 5 | 0. | 0. | 3. | 1. | 0. | 0. | 0. | 0. | 0. | 458. | 0. | 2. | 0. | 465. |
| 6 | 0. | 0. | 4. | 1. | 0. | 0. | 0. | 0. | 0. | 582. | 0. | 24. | 0. | 611. |
| 7 | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 0. | 0. | 300. | 0. | 2. | 0. | 303. |
| 8 | 47. | 0. | 4. | 1. | 0. | 0. | 0. | 0. | 0. | 291. | 0. | 0. | 0. | 296. |
| 9 | 0. | 0. | 4. | 1. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | 0. | 5. |
| 10 | 0. | 0. | 4. | 1. | 0. | 0. | 0. | 0. | 0. | 97. | 0. | 2. | 0. | 104. |
| 11 | 31. | 0. | 1. | 0. | 30. | 0. | 0. | 0. | 0. | 434. | 0. | 0. | 0. | 466. |
| 12 | 202. | 0. | 2. | 0. | 44. | 0. | 0. | 0. | 0. | 427. | 0. | 0. | 0. | 473. |
| 13 | 9. | 0. | 1. | 0. | 0. | 50. | 0. | 0. | 0. | 6. | 0. | 0. | 0. | 97. |
| 14 | 2. | 0. | 3. | 0. | 0. | 0. | 0. | 0. | 0. | 45. | 0. | 0. | 0. | 48. |
| 15 | 0. | 0. | 2. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 3. |
| 16 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 2. |
| 17 | 0. | 0. | 3. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 5. |
| 18 | 0. | 0. | 1. | 0. | 5. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 7. |
| 19 | 34. | 0. | 1. | 0. | 82. | 0. | 0. | 19. | 0. | 0. | 0. | 1. | 0. | 84. |
| 20 | 0. | 0. | 1. | 0. | 458. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 477. |
| 21 | 0. | 0. | 1. | 0. | 19. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 20. |
| 22 | 0. | 0. | 1. | 1. | 35. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 38. |
| 23 | 0. | 0. | 1. | 1. | 87. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 89. |
| 24 | 0. | 0. | 2. | 0. | 310. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 312. |
| 25 | 0. | 0. | 0. | 0. | 304. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 304. |
| 26 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 27 | 0. | 0. | 0. | 0. | 133. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 4. | 4. |
| 28 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 11. | 145. |
| 29 | 0. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 12. | 13. |
| 30 | 0. | 0. | 0. | 0. | 92. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 2. | 94. |
| 31 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 32 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 33 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 34 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 35 | 0. | 0. | 0. | 0. | 31. | 0. | 0. | 0. | 0. | 0. | 0. | 6. | 0. | 31. |
| 588. | | 0. | 68. | 10. | 1722. | 0. | 0. | 19. | 0. | 3407. | 0. | 43. | 29. | 5296. |

55391.

409. 54344. 0. 638.

1-----{ 54981. }-----1

RETIRED POPULATION

 * NAVY OFFICER BASELINE (DOPMA REV) *
 * FILENAME= NB013CAT BASELINE *
 * DATE= 12/16/83 TIME= 15:01:47 *

***** FLOW RECONCILIATION CATEGORY= TOTAL FORCE *****

| | GRADE-1 | GRADE-2 | GRADE-3 | GRADE-4 | GRADE-5 | GRADE-6 | GRADE-7 | GRADE-8 | GRADE-9 | GRADE-10 | TOTAL |
|-----------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|--------|
| BEGIN STRENGTH | 9057. | 8784. | 21229. | 12434. | 7465. | 3432. | 0. | 0. | 0. | 0. | 62402. |
| *****LOSSES**** | | | | | | | | | | | |
| PROM-OUT | 4368. | 3921. | 2030. | 1084. | 561. | 29. | 0. | 0. | 0. | 0. | 11992. |
| LOSS:XFR-OTH | 229. | 34. | 47. | 244. | 34. | 0. | 0. | 0. | 0. | 0. | 588. |
| LOSS:XFR-OFF | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| LOSS:DEATH | 7. | 16. | 20. | 11. | 9. | 4. | 0. | 0. | 0. | 0. | 68. |
| LOSS:RET-DIS | 1. | 1. | 3. | 1. | 1. | 2. | 0. | 0. | 0. | 0. | 10. |
| LOSS:RET-FC | 0. | 0. | 96. | 587. | 512. | 527. | 0. | 0. | 0. | 0. | 1722. |
| LOSS:RET-VOL | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| LOSS:RET-INV | 0. | 0. | 0. | 19. | 0. | 0. | 0. | 0. | 0. | 0. | 19. |
| LOSS:OTH-DIS | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| LOSS:OTH-FC | 190. | 576. | 2316. | 326. | 0. | 0. | 0. | 0. | 0. | 0. | 3407. |
| LOSS:OTH-VOL | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| LOSS:OTH-INV | 5. | 5. | 31. | 2. | 0. | 0. | 0. | 0. | 0. | 0. | 43. |
| TOTAL LOSSES | 4799. | 4553. | 4543. | 2274. | 1118. | 561. | 0. | 0. | 0. | 0. | 17847. |
| *****GAINS**** | | | | | | | | | | | |
| GAINS TO | 4571. | 185. | 541. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 5297. |
| GAINS OTHER | 228. | 0. | 81. | 244. | 34. | 0. | 0. | 0. | 0. | 0. | 587. |
| PROM-IN | 0. | 4368. | 3921. | 2030. | 1084. | 561. | 0. | 0. | 0. | 0. | 11963. |
| TOTAL GAINS | 4799. | 4553. | 4543. | 2274. | 1118. | 561. | 0. | 0. | 0. | 0. | 17847. |
| END STRENGTH | 9057. | 8784. | 21229. | 12434. | 7465. | 3432. | 0. | 0. | 0. | 0. | 62402. |

USMC OFFICER BASELINE FORCE (SIX CAT)

DATE= 12/16/83

TIME= 15:01:58

FILENAME= MB006CAT BASELINE

***** TOTAL FORCE DISPLAY *****

| YOS | G:TO | G:OTH | GRD-1 | GRD-2 | GRD-3 | GRD-4 | GRD-5 | GRD-6 | GRD-7 | GRD-8 | GRD-9 | GRD10 | TOTAL LOSSES | LOSS | RETN | CONT | |
|--------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------------|-------|--------|--------|---------|
| 1 | 1683. | 0. | 0. | 1683. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1683. | 20. | 0.0119 | 0.9881 | 1.0000 |
| 2 | 0. | 0. | 0. | 1663. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1663. | 21. | 0.0126 | 0.9874 | 0.9881 |
| 3 | 34. | 0. | 0. | 1676. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1676. | 175. | 0.1045 | 0.8955 | 0.9757 |
| 4 | 0. | 0. | 0. | 1392. | 109. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1501. | 249. | 0.1661 | 0.8339 | 0.8737 |
| 5 | 0. | 0. | 0. | 132. | 1120. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1252. | 141. | 0.1127 | 0.8873 | 0.7286 |
| 6 | 0. | 0. | 0. | 43. | 1072. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1115. | 199. | 0.1787 | 0.8213 | 0.6465 |
| 7 | 0. | 0. | 0. | 3. | 915. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 919. | 119. | 0.1295 | 0.8705 | 0.5310 |
| 8 | 0. | 0. | 0. | 804. | 720. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 804. | 84. | 0.1045 | 0.8955 | 0.4622 |
| 9 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 720. | 58. | 0.0806 | 0.9194 | 0.4139 |
| 10 | 0. | 0. | 0. | 0. | 616. | 46. | 0. | 0. | 0. | 0. | 0. | 0. | 662. | 44. | 0.0664 | 0.9336 | 0.3806 |
| 11 | 0. | 0. | 0. | 0. | 152. | 466. | 0. | 0. | 0. | 0. | 0. | 0. | 618. | 61. | 0.0987 | 0.9013 | 0.3553 |
| 12 | 0. | 0. | 0. | 0. | 98. | 459. | 0. | 0. | 0. | 0. | 0. | 0. | 557. | 102. | 0.1831 | 0.8169 | 0.3202 |
| 13 | 0. | 0. | 0. | 0. | 23. | 396. | 0. | 0. | 0. | 0. | 0. | 0. | 455. | 46. | 0.1011 | 0.8989 | 0.2616 |
| 14 | 0. | 0. | 0. | 0. | 0. | 380. | 13. | 0. | 0. | 0. | 0. | 0. | 409. | 17. | 0.0416 | 0.9284 | 0.2351 |
| 15 | 0. | 0. | 0. | 0. | 0. | 359. | 12. | 0. | 0. | 0. | 0. | 0. | 392. | 15. | 0.0382 | 0.9618 | 0.2254 |
| 16 | 0. | 0. | 0. | 0. | 0. | 359. | 18. | 0. | 0. | 0. | 0. | 0. | 377. | 14. | 0.0371 | 0.9629 | 0.2168 |
| 17 | 0. | 0. | 0. | 0. | 0. | 105. | 258. | 0. | 0. | 0. | 0. | 0. | 363. | 11. | 0.0303 | 0.9697 | 0.2087 |
| 18 | 0. | 0. | 0. | 0. | 0. | 83. | 269. | 0. | 0. | 0. | 0. | 0. | 352. | 6. | 0.0171 | 0.9829 | 0.2024 |
| 19 | 0. | 0. | 0. | 0. | 0. | 78. | 268. | 0. | 0. | 0. | 0. | 0. | 346. | 23. | 0.0663 | 0.9337 | 0.1989 |
| 20 | 0. | 0. | 0. | 0. | 0. | 67. | 256. | 0. | 0. | 0. | 0. | 0. | 323. | 84. | 0.2597 | 0.7403 | 0.1856 |
| 21 | 0. | 0. | 0. | 0. | 0. | 24. | 215. | 0. | 0. | 0. | 0. | 0. | 239. | 64. | 0.2670 | 0.7330 | 0.1375 |
| 22 | 0. | 0. | 0. | 0. | 0. | 0. | 85. | 91. | 0. | 0. | 0. | 0. | 175. | 15. | 0.0853 | 0.9147 | 0.1008 |
| 23 | 0. | 0. | 0. | 0. | 0. | 0. | 59. | 102. | 0. | 0. | 0. | 0. | 160. | 6. | 0.0372 | 0.9628 | 0.0922 |
| 24 | 0. | 0. | 0. | 0. | 0. | 0. | 54. | 101. | 0. | 0. | 0. | 0. | 154. | 26. | 0.1679 | 0.8321 | 0.0888 |
| 25 | 0. | 0. | 0. | 0. | 0. | 0. | 38. | 91. | 0. | 0. | 0. | 0. | 129. | 25. | 0.1939 | 0.8061 | 0.0739 |
| 26 | 0. | 0. | 0. | 0. | 0. | 0. | 26. | 78. | 0. | 0. | 0. | 0. | 104. | 29. | 0.2790 | 0.7210 | 0.0595 |
| 27 | 0. | 0. | 0. | 0. | 0. | 0. | 18. | 57. | 0. | 0. | 0. | 0. | 75. | 31. | 0.4135 | 0.5865 | 0.0429 |
| 28 | 0. | 0. | 0. | 0. | 0. | 0. | 12. | 32. | 0. | 0. | 0. | 0. | 44. | 23. | 0.5226 | 0.4774 | 0.0252 |
| 29 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 21. | 0. | 0. | 0. | 0. | 21. | 9. | 0.4286 | 0.5714 | 0.0120 |
| 30 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 12. | 0. | 0. | 0. | 0. | 12. | 12. | 1.0000 | 0.0 | 0.0069 |
| 31 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0.0 | 1.0000 | 0.0 |
| 32 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0.0 | 1.0000 | 0.0 |
| 33 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0.0 | 1.0000 | 0.0 |
| 34 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0.0 | 1.0000 | 0.0 |
| 35 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0.0 | 1.0000 | 0.0 |
| TOT | 1717. | 12. | 0. | 6592. | 5631. | 2897. | 1601. | 583. | 0. | 0. | 0. | 0. | 17303. | 1729. | 0.0999 | 0.9901 | 10.0075 |
| AVERAGE | YOS | | | | | | | | | | | | | | | | |
| PRODUCTIVITY | 0.0 | 0.0 | 0.0 | 2.01 | 6.80 | 13.42 | 19.22 | 24.25 | 0.0 | 0.0 | 0.0 | 0.0 | 7.82 | | | | |
| | | | | 2476. | 5603. | 2897. | 1601. | 583. | 0. | 0. | 0. | 0. | 13159. | | | | |

 * USMC OFFICER BASELINE FORCE (SIX CAT) *
 * FILENAME= MB006CAT BASELINE *
 * DATE= 12/16/83 TIME= 15:01:58 *

***** TOTAL FORCE LOSS DISPLAY *****

| YR | XFROTH | XFROFF | DEATH | RETDIS | RET FC | RETVOL | RETINV | OTHDIS | OTH FC | OTHVOL | OTHINV | PROMOUT | TOTALS |
|----|--------|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| 1 | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 3. | 10. | 0. | 6. | 0. | 20. |
| 2 | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 1. | 13. | 0. | 6. | 0. | 21. |
| 3 | 0. | 0. | 3. | 1. | 0. | 0. | 0. | 7. | 162. | 0. | 2. | 0. | 175. |
| 4 | 0. | 0. | 5. | 1. | 0. | 0. | 0. | 4. | 238. | 0. | 1. | 0. | 249. |
| 5 | 0. | 0. | 3. | 2. | 1. | 0. | 0. | 4. | 129. | 0. | 2. | 0. | 141. |
| 6 | 0. | 0. | 4. | 2. | 10. | 0. | 0. | 3. | 180. | 0. | 0. | 0. | 199. |
| 7 | 0. | 0. | 2. | 3. | 1. | 0. | 0. | 1. | 113. | 0. | 0. | 0. | 119. |
| 8 | 0. | 0. | 1. | 3. | 0. | 0. | 0. | 2. | 78. | 0. | 0. | 0. | 84. |
| 9 | 0. | 0. | 0. | 2. | 0. | 0. | 0. | 2. | 54. | 0. | 0. | 0. | 58. |
| 10 | 0. | 0. | 0. | 1. | 13. | 0. | 0. | 0. | 30. | 0. | 0. | 0. | 44. |
| 11 | 0. | 0. | 2. | 2. | 16. | 0. | 0. | 1. | 40. | 0. | 0. | 0. | 61. |
| 12 | 0. | 0. | 3. | 3. | 7. | 0. | 0. | 1. | 88. | 0. | 0. | 0. | 102. |
| 13 | 0. | 0. | 1. | 5. | 3. | 0. | 0. | 1. | 36. | 0. | 0. | 0. | 46. |
| 14 | 0. | 0. | 1. | 1. | 1. | 0. | 0. | 0. | 15. | 0. | 0. | 0. | 17. |
| 15 | 0. | 0. | 2. | 0. | 4. | 0. | 0. | 0. | 9. | 0. | 0. | 0. | 15. |
| 16 | 0. | 0. | 1. | 0. | 5. | 0. | 0. | 0. | 8. | 0. | 0. | 0. | 14. |
| 17 | 0. | 0. | 0. | 0. | 7. | 0. | 0. | 0. | 4. | 0. | 0. | 0. | 11. |
| 18 | 0. | 0. | 0. | 2. | 4. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 6. |
| 19 | 0. | 0. | 0. | 1. | 22. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 23. |
| 20 | 0. | 0. | 0. | 1. | 83. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 84. |
| 21 | 0. | 0. | 0. | 2. | 62. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 64. |
| 22 | 0. | 0. | 0. | 2. | 13. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 15. |
| 23 | 0. | 0. | 0. | 2. | 4. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 6. |
| 24 | 0. | 0. | 0. | 1. | 25. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 26. |
| 25 | 0. | 0. | 0. | 3. | 22. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 25. |
| 26 | 0. | 0. | 0. | 0. | 21. | 0. | 0. | 0. | 0. | 0. | 0. | 8. | 29. |
| 27 | 0. | 0. | 0. | 1. | 27. | 0. | 0. | 0. | 0. | 0. | 0. | 3. | 31. |
| 28 | 0. | 0. | 0. | 1. | 22. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 23. |
| 29 | 0. | 0. | 0. | 0. | 9. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 9. |
| 30 | 0. | 0. | 0. | 0. | 12. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 12. |
| 31 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 32 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 33 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 34 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 35 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| | 0. | 0. | 28. | 42. | 393. | 0. | 0. | 30. | 1208. | 0. | 17. | 11. | 1729. |

14329.

1673. 12655. 0. 0. 12655.)----1

RETIRED POPULATION

 *
 * FILENAME= MB006CAT BASELINE
 *
 * DATE= 12/16/83 TIME= 15:01:59
 *

 ***** USMC OFFICER BASELINE FORCE (SIX CAT)

***** CATEGORY= TOTAL FORCE *****

| | GRADE-1 | GRADE-2 | GRADE-3 | GRADE-4 | GRADE-5 | GRADE-6 | GRADE-7 | GRADE-8 | GRADE-9 | GRADE-10 | TOTAL |
|------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|--------|
| BEGIN STRENGTH | 0. | 6592. | 5631. | 2897. | 1601. | 583. | 0. | 0. | 0. | 0. | 17303. |
| *****LOSSES***** | | | | | | | | | | | |
| PROM-OUT | 0. | 1197. | 503. | 282. | 104. | 11. | 0. | 0. | 0. | 0. | 2097. |
| LOSS:XFR-OTH | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| LOSS:XFR-OFF | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| LOSS:DEATH | 0. | 10. | 12. | 6. | 0. | 0. | 0. | 0. | 0. | 0. | 28. |
| LOSS:RET-DIS | 0. | 3. | 19. | 5. | 9. | 6. | 0. | 0. | 0. | 0. | 42. |
| LOSS:RET-FC | 0. | 12. | 10. | 115. | 170. | 7. | 0. | 0. | 0. | 0. | 393. |
| LOSS:RET-VOL | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| LOSS:RET-INV | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| LOSS:OTH-DIS | 0. | 17. | 13. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 30. |
| LOSS:OTH-FC | 0. | 463. | 649. | 95. | 0. | 0. | 0. | 0. | 0. | 0. | 1208. |
| LOSS:OTH-VOL | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| LOSS:OTH-INV | 0. | 15. | 2. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 17. |
| TOTAL LOSSES | 0. | 1717. | 1209. | 503. | 282. | 104. | 0. | 0. | 0. | 0. | 3815. |
| *****GAINS***** | | | | | | | | | | | |
| GAINS TO | 0. | 1717. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1717. |
| GAINS OTHER | 0. | 0. | 12. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 12. |
| PROM-IN | 0. | 0. | 1197. | 503. | 282. | 104. | 0. | 0. | 0. | 0. | 2086. |
| TOTAL GAINS | 0. | 1717. | 1209. | 503. | 282. | 104. | 0. | 0. | 0. | 0. | 3815. |
| END STRENGTH | 0. | 6592. | 5631. | 2897. | 1601. | 583. | 0. | 0. | 0. | 0. | 17303. |

AIR FORCE BASELINE OFFICERS--11 CATEGORIES

TIME= 15:02:14

DATE= 12/16/83

FILENAME= FB011CAT BASELINE

***** TOTAL FORCE DISPLAY *****

| YOS | G:TO | G:OTH | GRD-1 | GRD-2 | GRD-3 | GRD-4 | GRD-5 | GRD-6 | GRD-7 | GRD-8 | GRD-9 | GRD10 | TOTAL LOSSES | LOSS | RETN | CONT |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------------|--------|--------|--------|
| 1 | 6918. | 0. | 5952. | 181. | 697. | 87. | 0. | 0. | 0. | 0. | 0. | 0. | 6918. | 0.0186 | 0.9814 | 1.0000 |
| 2 | 0. | 0. | 5832. | 180. | 691. | 86. | 0. | 0. | 0. | 0. | 0. | 0. | 6789. | 0.0249 | 0.9751 | 0.9814 |
| 3 | 0. | 0. | 4. | 5692. | 839. | 85. | 0. | 0. | 0. | 0. | 0. | 0. | 6620. | 0.0466 | 0.9534 | 0.9569 |
| 4 | 0. | 0. | 5515. | 720. | 76. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 6311. | 0.0855 | 0.9145 | 0.9123 |
| 5 | 0. | 0. | 115. | 5600. | 57. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 5772. | 0.0596 | 0.9404 | 0.8344 |
| 6 | 0. | 0. | 18. | 5105. | 260. | 45. | 0. | 0. | 0. | 0. | 0. | 0. | 5428. | 0.0751 | 0.9249 | 0.7846 |
| 7 | 0. | 0. | 0. | 4739. | 241. | 40. | 0. | 0. | 0. | 0. | 0. | 0. | 5020. | 0.0631 | 0.9369 | 0.7257 |
| 8 | 0. | 0. | 0. | 4414. | 255. | 34. | 0. | 0. | 0. | 0. | 0. | 0. | 4703. | 0.0453 | 0.9547 | 0.6799 |
| 9 | 0. | 0. | 0. | 4181. | 280. | 29. | 0. | 0. | 0. | 0. | 0. | 0. | 4490. | 0.0292 | 0.9708 | 0.6491 |
| 10 | 0. | 0. | 0. | 4044. | 288. | 27. | 0. | 0. | 0. | 0. | 0. | 0. | 4359. | 0.0276 | 0.9724 | 0.6302 |
| 11 | 0. | 0. | 0. | 3858. | 353. | 28. | 0. | 0. | 0. | 0. | 0. | 0. | 4239. | 0.0247 | 0.9753 | 0.6128 |
| 12 | 0. | 0. | 0. | 2976. | 994. | 17. | 0. | 0. | 0. | 0. | 0. | 0. | 4135. | 0.0247 | 0.9753 | 0.5977 |
| 13 | 0. | 0. | 0. | 1541. | 2317. | 158. | 16. | 0. | 0. | 0. | 0. | 0. | 4032. | 0.0278 | 0.9722 | 0.5829 |
| 14 | 0. | 0. | 0. | 474. | 3261. | 172. | 13. | 0. | 0. | 0. | 0. | 0. | 3920. | 0.0251 | 0.9749 | 0.5667 |
| 15 | 0. | 0. | 0. | 377. | 3260. | 173. | 12. | 0. | 0. | 0. | 0. | 0. | 3822. | 0.0205 | 0.9795 | 0.5525 |
| 16 | 0. | 0. | 0. | 364. | 3022. | 344. | 14. | 0. | 0. | 0. | 0. | 0. | 3743. | 0.0381 | 0.9619 | 0.5411 |
| 17 | 0. | 0. | 0. | 348. | 2036. | 1199. | 18. | 0. | 0. | 0. | 0. | 0. | 3601. | 0.0507 | 0.9493 | 0.5205 |
| 18 | 0. | 0. | 0. | 288. | 841. | 2204. | 85. | 0. | 0. | 0. | 0. | 0. | 3418. | 0.0616 | 0.9384 | 0.4941 |
| 19 | 0. | 0. | 0. | 216. | 714. | 2185. | 92. | 0. | 0. | 0. | 0. | 0. | 3207. | 0.0909 | 0.9091 | 0.4636 |
| 20 | 0. | 0. | 0. | 111. | 574. | 1923. | 308. | 0. | 0. | 0. | 0. | 0. | 2916. | 0.3628 | 0.6372 | 0.4215 |
| 21 | 0. | 0. | 0. | 0. | 0. | 1052. | 765. | 0. | 0. | 0. | 0. | 0. | 1858. | 0.2173 | 0.7827 | 0.2686 |
| 22 | 0. | 0. | 0. | 0. | 0. | 664. | 791. | 0. | 0. | 0. | 0. | 0. | 1454. | 0.2123 | 0.7877 | 0.2102 |
| 23 | 0. | 0. | 0. | 0. | 0. | 0. | 638. | 0. | 0. | 0. | 0. | 0. | 1145. | 0.1318 | 0.8682 | 0.1656 |
| 24 | 0. | 0. | 0. | 0. | 0. | 0. | 508. | 0. | 0. | 0. | 0. | 0. | 594. | 0.1908 | 0.8092 | 0.1437 |
| 25 | 0. | 0. | 0. | 0. | 0. | 0. | 430. | 0. | 0. | 0. | 0. | 0. | 805. | 0.2310 | 0.7690 | 0.1163 |
| 26 | 0. | 0. | 0. | 0. | 0. | 0. | 316. | 0. | 0. | 0. | 0. | 0. | 619. | 0.2064 | 0.7936 | 0.0895 |
| 27 | 0. | 0. | 0. | 0. | 0. | 0. | 227. | 0. | 0. | 0. | 0. | 0. | 491. | 0.2376 | 0.7624 | 0.0710 |
| 28 | 0. | 0. | 0. | 0. | 0. | 0. | 177. | 0. | 0. | 0. | 0. | 0. | 374. | 0.5547 | 0.4453 | 0.0541 |
| 29 | 0. | 0. | 0. | 0. | 0. | 0. | 136. | 0. | 0. | 0. | 0. | 0. | 167. | 0.3115 | 0.6885 | 0.0241 |
| 30 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 115. | 1.0000 | 0.0 | 0.0165 |
| 31 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0.0 | 1.0000 | 0.0 |
| 32 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0.0 | 1.0000 | 0.0 |
| 33 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0.0 | 1.0000 | 0.0 |
| 34 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0.0 | 1.0000 | 0.0 |
| 35 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0.0 | 1.0000 | 0.0 |

| | | | | | | | | | | | | | | | | | |
|--------------|-------|-------|--------|--------|--------|--------|--------|-------|----|----|----|----|---------|-------|--------|--------|---------|
| TOT | 6918. | 0. | 11788. | 11701. | 41584. | 19089. | 12256. | 5048. | 0. | 0. | 0. | 0. | 101466. | 6918. | 0.0682 | 0.9318 | 14.6673 |
| AVERAGE YOS | 1.00 | 2.95 | 7.83 | 13.93 | 18.91 | 22.93 | 9.71 | | | | | | | | | | |
| PRODUCTIVITY | 1460. | 7160. | 39769. | 18876. | 12256. | 5048. | 84569. | | | | | | | | | | |

* AIR FORCE BASELINE OFFICERS--11 CATEGORIES
* FILENAME= FB01TCAT BASELINE
* DATE= 12/16/83
* TIME= 15:02:14

***** TOTAL FORCE LOSS DISPLAY *****

| YR | XFROTH | XFROFF | DEATH | RETD'S | RET | FC | RETOL | RETINV | OTHDS | OTH | FC | OTHVOL | OTHINV | PROMOUT | TOTALS |
|----|--------|--------|-------|--------|-------|----|-------|--------|-------|------|-----|--------|--------|---------|--------|
| 1 | 0. | 0. | 3. | 3. | 0. | 0. | 0. | 0. | 3. | 48. | 18. | 53. | 0. | 0. | 129. |
| 2 | 0. | 0. | 10. | 4. | 0. | 0. | 0. | 0. | 3. | 86. | 19. | 47. | 0. | 0. | 169. |
| 3 | 0. | 0. | 6. | 6. | 0. | 0. | 0. | 0. | 2. | 240. | 18. | 36. | 0. | 0. | 309. |
| 4 | 0. | 0. | 6. | 6. | 0. | 0. | 0. | 0. | 2. | 343. | 18. | 165. | 0. | 0. | 539. |
| 5 | 0. | 0. | 6. | 5. | 0. | 0. | 0. | 0. | 1. | 255. | 13. | 63. | 0. | 0. | 344. |
| 6 | 0. | 0. | 6. | 5. | 0. | 0. | 0. | 0. | 1. | 341. | 12. | 43. | 0. | 0. | 408. |
| 7 | 0. | 0. | 5. | 5. | 0. | 0. | 0. | 0. | 1. | 267. | 11. | 28. | 0. | 0. | 317. |
| 8 | 0. | 0. | 5. | 4. | 0. | 0. | 0. | 0. | 1. | 161. | 11. | 32. | 0. | 0. | 213. |
| 9 | 0. | 0. | 5. | 4. | 0. | 0. | 0. | 0. | 1. | 94. | 10. | 17. | 0. | 0. | 131. |
| 10 | 0. | 0. | 4. | 4. | 0. | 0. | 0. | 0. | 1. | 87. | 11. | 10. | 0. | 0. | 120. |
| 11 | 0. | 0. | 4. | 5. | 33. | 0. | 0. | 0. | 1. | 48. | 9. | 5. | 0. | 0. | 105. |
| 12 | 0. | 0. | 4. | 9. | 39. | 0. | 0. | 0. | 1. | 38. | 9. | 2. | 0. | 0. | 102. |
| 13 | 0. | 0. | 4. | 4. | 49. | 0. | 0. | 0. | 1. | 42. | 8. | 2. | 0. | 0. | 112. |
| 14 | 0. | 0. | 4. | 4. | 58. | 0. | 0. | 0. | 1. | 19. | 8. | 2. | 0. | 0. | 98. |
| 15 | 0. | 0. | 4. | 4. | 44. | 0. | 0. | 0. | 1. | 14. | 8. | 1. | 0. | 0. | 79. |
| 16 | 0. | 0. | 4. | 6. | 115. | 0. | 0. | 0. | 1. | 6. | 7. | 2. | 0. | 0. | 143. |
| 17 | 0. | 0. | 3. | 12. | 156. | 0. | 0. | 0. | 0. | 3. | 5. | 1. | 0. | 0. | 183. |
| 18 | 0. | 0. | 3. | 6. | 191. | 0. | 0. | 0. | 0. | 2. | 2. | 0. | 0. | 0. | 211. |
| 19 | 0. | 0. | 6. | 6. | 279. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 292. |
| 20 | 0. | 0. | 3. | 10. | 1041. | 0. | 0. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 1058. |
| 21 | 0. | 0. | 5. | 5. | 396. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 404. |
| 22 | 0. | 0. | 1. | 4. | 302. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 309. |
| 23 | 0. | 0. | 1. | 3. | 146. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 151. |
| 24 | 0. | 0. | 1. | 3. | 185. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 190. |
| 25 | 0. | 0. | 1. | 2. | 182. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 186. |
| 26 | 0. | 0. | 1. | 2. | 125. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 128. |
| 27 | 0. | 0. | 0. | 1. | 115. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 117. |
| 28 | 0. | 0. | 0. | 1. | 206. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 208. |
| 29 | 0. | 0. | 0. | 0. | 51. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 52. |
| 30 | 0. | 0. | 0. | 0. | 114. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 115. |
| 31 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 32 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 33 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 34 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 35 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |

0. 0. 100. 134. 3832. 28. 0. 18. 2095. 202. 509. 0. 6918.

RETIRED POPULATION 5431. 124948. 949. 0. 131328.

 * AIR FORCE BASELINE OFFICERS--11 CATEGORIES
 * FILENAME= FROTHCAT BASELINE
 * DATE= 12/16/83 TIME= 15:02:15

***** FLOW RECONCILIATION CATEGORY= TOTAL FORCE *****

| | GRADE-1 | GRADE-2 | GRADE-3 | GRADE-4 | GRADE-5 | GRADE-6 | GRADE-7 | GRADE-8 | GRADE-9 | GRADE-10 | TOTAL |
|----------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|---------|
| BEGIN STRENGTH | 11788. | 11701. | 41584. | 19089. | 12256. | 5048. | 0. | 0. | 0. | 0. | 101467. |
| ***LOSSES*** | | | | | | | | | | | |
| PROM-OUT | 5692. | 5290. | 3735. | 2448. | 967. | 0. | 0. | 0. | 0. | 0. | 18132. |
| LOSS: XER-OTH | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| LOSS: XER-OFF | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| LOSS: DEATH | 12. | 12. | 43. | 17. | 11. | 5. | 0. | 0. | 0. | 0. | 100. |
| LOSS: RET-DIS | 4. | 11. | 40. | 22. | 39. | 18. | 0. | 0. | 0. | 0. | 134. |
| LOSS: RET-FC | 0. | 0. | 466. | 1077. | 1357. | 932. | 0. | 0. | 0. | 0. | 3832. |
| LOSS: RET-VOL | 0. | 0. | 0. | 15. | 9. | 4. | 0. | 0. | 0. | 0. | 28. |
| LOSS: RET-INV | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| LOSS: OTH-DIS | 4. | 2. | 8. | 3. | 0. | 0. | 0. | 0. | 0. | 0. | 18. |
| LOSS: OTH-FC | 110. | 328. | 1395. | 192. | 63. | 8. | 0. | 0. | 0. | 0. | 2095. |
| LOSS: OTH-VOL | 33. | 33. | 94. | 40. | 1. | 0. | 0. | 0. | 0. | 0. | 202. |
| LOSS: OTH-INV | 97. | 198. | 207. | 8. | 0. | 0. | 0. | 0. | 0. | 0. | 509. |
| TOTAL LOSSES | 5952. | 5873. | 5987. | 3822. | 2448. | 967. | 0. | 0. | 0. | 0. | 25050. |
| ***GAINS*** | | | | | | | | | | | |
| GAINS TO | 5952. | 181. | 597. | 87. | 0. | 0. | 0. | 0. | 0. | 0. | 6918. |
| GAINS OTHER | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| PROM- IN | 0. | 5692. | 5290. | 3735. | 2448. | 957. | 0. | 0. | 0. | 0. | 18132. |
| TOTAL GAINS | 5952. | 5873. | 5987. | 3822. | 2448. | 967. | 0. | 0. | 0. | 0. | 25050. |
| END STRENGTH | 11788. | 11701. | 41584. | 19089. | 12256. | 5048. | 0. | 0. | 0. | 0. | 101467. |

 * NOAA BASELINE OFFICERS--1 CATEGORY
 * FILENAME= 08001CAT BASELINE
 * DATE= 12/16/83 TIME= 15:03:01

***** TOTAL FORCE DISPLAY *****

| YOS | G:TO | G:OTH | CRD-1 | CRD-2 | CRD-3 | CRD-4 | CRD-5 | CRD-6 | GRD-7 | CRD-8 | GRD-9 | GRD10 | TOTAL LOSSES | LOSS | RETN | CONT | |
|--------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------------|------|--------|--------|--------|
| 1 | 41. | 0. | 41. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 41. | 3. | 0.0732 | 0.9268 | 1.0000 |
| 2 | 0. | 0. | 30. | 8. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 38. | 4. | 0.1052 | 0.8948 | 0.9268 |
| 3 | 0. | 0. | 0. | 34. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 34. | 4. | 0.1176 | 0.8824 | 0.8293 |
| 4 | 0. | 0. | 0. | 29. | 1. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 30. | 2. | 0.0667 | 0.9333 | 0.7317 |
| 5 | 0. | 0. | 0. | 1. | 27. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 28. | 4. | 0.1428 | 0.8572 | 0.6829 |
| 6 | 0. | 0. | 0. | 0. | 24. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 24. | 3. | 0.1250 | 0.8750 | 0.5854 |
| 7 | 0. | 0. | 0. | 0. | 20. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 21. | 2. | 0.0952 | 0.9048 | 0.5122 |
| 8 | 0. | 0. | 0. | 0. | 18. | 1. | 0. | 0. | 0. | 0. | 0. | 0. | 19. | 6. | 0.3157 | 0.6843 | 0.4634 |
| 9 | 0. | 0. | 0. | 0. | 11. | 11. | 0. | 0. | 0. | 0. | 0. | 0. | 13. | 1. | 0.0769 | 0.9231 | 0.3171 |
| 10 | 0. | 0. | 0. | 0. | 12. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 12. | 0. | 0.0 | 1.0000 | 0.2927 |
| 11 | 0. | 0. | 0. | 0. | 11. | 0. | 1. | 0. | 0. | 0. | 0. | 0. | 12. | 0. | 0.0 | 1.0000 | 0.2927 |
| 12 | 0. | 0. | 0. | 0. | 11. | 0. | 1. | 0. | 0. | 0. | 0. | 0. | 12. | 1. | 0.0833 | 0.9167 | 0.2927 |
| 13 | 0. | 0. | 0. | 0. | 10. | 0. | 1. | 0. | 0. | 0. | 0. | 0. | 11. | 0. | 0.0 | 1.0000 | 0.2683 |
| 14 | 0. | 0. | 0. | 0. | 9. | 0. | 2. | 0. | 0. | 0. | 0. | 0. | 11. | 1. | 0.0910 | 0.9090 | 0.2683 |
| 15 | 0. | 0. | 0. | 0. | 3. | 0. | 6. | 1. | 0. | 0. | 0. | 0. | 10. | 0. | 0.0 | 1.0000 | 0.2439 |
| 16 | 0. | 0. | 0. | 0. | 0. | 0. | 7. | 1. | 0. | 0. | 0. | 0. | 10. | 0. | 0.0 | 1.0000 | 0.2439 |
| 17 | 0. | 0. | 0. | 0. | 0. | 0. | 7. | 1. | 0. | 0. | 0. | 0. | 10. | 1. | 0.1000 | 0.9000 | 0.2439 |
| 18 | 0. | 0. | 0. | 0. | 0. | 0. | 7. | 1. | 0. | 0. | 0. | 0. | 9. | 0. | 0.0 | 1.0000 | 0.2195 |
| 19 | 0. | 0. | 0. | 0. | 0. | 0. | 7. | 1. | 0. | 0. | 0. | 0. | 9. | 0. | 0.0 | 1.0000 | 0.2195 |
| 20 | 0. | 0. | 0. | 0. | 0. | 0. | 7. | 1. | 0. | 0. | 0. | 0. | 9. | 3. | 0.3123 | 0.6877 | 0.2195 |
| 21 | 0. | 0. | 0. | 0. | 0. | 0. | 5. | 2. | 0. | 0. | 0. | 0. | 6. | 1. | 0.1677 | 0.8323 | 0.1510 |
| 22 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 3. | 0. | 0. | 0. | 0. | 5. | 0. | 0.0 | 1.0000 | 0.1256 |
| 23 | 0. | 0. | 0. | 0. | 0. | 0. | 2. | 3. | 0. | 0. | 0. | 0. | 5. | 1. | 0.2015 | 0.7985 | 0.1256 |
| 24 | 0. | 0. | 0. | 0. | 0. | 0. | 1. | 3. | 0. | 0. | 0. | 0. | 4. | 0. | 0.0 | 1.0000 | 0.1003 |
| 25 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 4. | 0. | 0. | 0. | 0. | 4. | 1. | 0.2500 | 0.7500 | 0.1003 |
| 26 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 3. | 0. | 0. | 0. | 0. | 3. | 0. | 0.0 | 1.0000 | 0.0752 |
| 27 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 3. | 0. | 0. | 0. | 0. | 3. | 1. | 0.3333 | 0.6667 | 0.0752 |
| 28 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 2. | 0. | 0. | 0. | 0. | 2. | 0. | 0.0 | 1.0000 | 0.0502 |
| 29 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 2. | 0. | 0. | 0. | 0. | 2. | 1. | 0.5000 | 0.5000 | 0.0502 |
| 30 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 1. | 1. | 1.0000 | 0.0 | 0.0251 |
| 31 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0.0 | 1.0000 | 0.0 |
| 32 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0.0 | 1.0000 | 0.0 |
| 33 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0.0 | 1.0000 | 0.0 |
| 34 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0.0 | 1.0000 | 0.0 |
| 35 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0.0 | 1.0000 | 0.0 |
| TOT | 41. | 0. | 71. | 72. | 92. | 76. | 56. | 32. | 0. | 0. | 0. | 0. | 398. | 41. | 0.1027 | 0.8973 | 9.7329 |
| AVERAGE | 0.92 | | 0.92 | 2.82 | 5.86 | 11.49 | 17.44 | 23.28 | 0.0 | 0.0 | 0.0 | 0.0 | 8.52 | | | | |
| PRODUCTIVITY | 7. | | 7. | 42. | 92. | 76. | 56. | 32. | 0. | 0. | 0. | 0. | 304. | | | | |

 * NCAA BASELINE OFFICERS--1 CATEGORY *
 * FILENAME= 08001CAT BASELINE *
 * DATE= 12/16/83 TIME= 15:03:02 *

***** TOTAL FORCE LOSS DISPLAY *****

| YR | XFROTH | XFROFF | DEATH | RETDIS | RET FC | RETVOL | RETIW | OTHDIS | OTH FC | OTHVOL | OTHINW | PROMOUT | TOTALS |
|----|--------|--------|-------|--------|--------|--------|-------|--------|--------|--------|--------|---------|--------|
| 1 | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 0. | 1. | 1. | 0. | 3. |
| 2 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 4. | 0. | 0. | 0. | 4. |
| 3 | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 1. | 1. | 1. | 0. | 4. |
| 4 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 2. | 0. | 0. | 0. | 2. |
| 5 | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 1. | 1. | 2. | 0. | 4. |
| 6 | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 0. | 1. | 1. | 0. | 3. |
| 7 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | 1. | 0. | 2. |
| 8 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 6. | 0. | 0. | 0. | 6. |
| 9 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. |
| 10 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 11 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | 0. | 1. |
| 12 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 13 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. |
| 14 | 0. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 15 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 16 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 17 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 1. |
| 18 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 19 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 20 | 0. | 0. | 0. | 0. | 3. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 3. |
| 21 | 0. | 0. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 0. | 0. | 1. |
| 22 | 0. | 0. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 0. | 0. | 1. |
| 23 | 0. | 0. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 24 | 0. | 0. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 0. | 0. | 1. |
| 25 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 26 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | 1. |
| 27 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 28 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 29 | 0. | 0. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 0. | 0. | 1. |
| 30 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 31 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 32 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 33 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 34 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 35 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |

RETIRED POPULATION 0. 0. 4. 5. 4. 0. 14. 5. 7. 1. 41. 495.

 * NOAA BASELINE OFFICERS--1 CATEGORY
 *
 * FILENAME= 08001CAT BASELINE
 * DATE= 12/16/83 TIME= 15:03:02

***** CATEGORY= TOTAL FORCE *****

***** FLOW RECONCILIATION *****

GRADE-1 GRADE-2 GRADE-3 GRADE-4 GRADE-5 GRADE-6 GRADE-7 GRADE-8 GRADE-9 GRADE-10 TOTAL

BEGIN STRENGTH 71. 72. 92. 76. 56. 32. 0. 0. 0. 0. 398.

*****LOSSES****

PROM-OUT 34. 28. 13. 8. 4. 1. 0. 0. 0. 0. 88.
 LOSS:XFR-OTH 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.
 LOSS:XFR-OFF 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.
 LOSS:DEATH 1. 1. 2. 0. 0. 0. 0. 0. 0. 0. 4.
 LOSS:RET-DIS 0. 0. 0. 2. 2. 1. 0. 0. 0. 0. 5.
 LOSS:RET-FC 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 4.
 LOSS:RET-VOL 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.
 LOSS:RET-INV 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.
 LOSS:OTH-DIS 4. 3. 6. 1. 0. 0. 0. 0. 0. 0. 14.
 LOSS:OTH-FC 1. 1. 3. 0. 0. 0. 0. 0. 0. 0. 5.
 LOSS:OTH-VOL 1. 1. 4. 1. 0. 0. 0. 0. 0. 0. 7.
 LOSS:OTH-INV 41. 34. 28. 13. 8. 4. 0. 0. 0. 0. 128.

*****GAINS****

GAINS TO 41. 0. 0. 0. 0. 0. 0. 0. 0. 0. 41.
 GAINS OTHER 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.
 PROM-IN 41. 34. 28. 13. 8. 4. 0. 0. 0. 0. 87.
 TOTAL GAINS 41. 34. 28. 13. 8. 4. 0. 0. 0. 0. 128.

END STRENGTH 71. 72. 92. 76. 56. 32. 0. 0. 0. 0. 398.

PHS BASELINE OFFICERS--9 CATEGORIES

FILENAME= PBO09CAT BASELINE

DATE= 12/16/83

TIME= 15:03:16

TOTAL FORCE DISPLAY

| YOS | G:TO | G:OTH | GRD-1 | GRD-2 | GRD-3 | GRD-4 | GRD-5 | GRD-6 | GRD-7 | GRD-8 | GRD-9 | GRD10 | TOTAL LOSSES | LOSS | RETN | CONT | |
|--------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------------|-------|--------|--------|--------|
| 1 | 991. | 0. | 306. | 15. | 570. | 100. | 0. | 0. | 0. | 0. | 0. | 0. | 991. | 126. | 0.1276 | 0.8724 | 1.0000 |
| 2 | 20. | 0. | 306. | 14. | 464. | 100. | 0. | 0. | 0. | 0. | 0. | 0. | 885. | 133. | 0.1505 | 0.8495 | 0.8724 |
| 3 | 27. | 40. | 210. | 82. | 376. | 110. | 0. | 0. | 0. | 0. | 0. | 0. | 778. | 92. | 0.1178 | 0.8822 | 0.7412 |
| 4 | 4. | 85. | 75. | 165. | 296. | 154. | 0. | 0. | 0. | 0. | 0. | 0. | 690. | 120. | 0.1858 | 0.8142 | 0.6539 |
| 5 | 11. | 75. | 25. | 215. | 25. | 309. | 0. | 0. | 0. | 0. | 0. | 0. | 574. | 72. | 0.1248 | 0.8752 | 0.5323 |
| 6 | 1. | 0. | 15. | 197. | 43. | 234. | 14. | 0. | 0. | 0. | 0. | 0. | 503. | 80. | 0.1593 | 0.8407 | 0.4659 |
| 7 | 10. | 0. | 8. | 95. | 130. | 168. | 32. | 0. | 0. | 0. | 0. | 0. | 433. | 50. | 0.1155 | 0.8845 | 0.3917 |
| 8 | 2. | 0. | 0. | 25. | 162. | 132. | 66. | 0. | 0. | 0. | 0. | 0. | 385. | 52. | 0.1351 | 0.8649 | 0.3464 |
| 9 | 0. | 0. | 0. | 10. | 140. | 109. | 74. | 0. | 0. | 0. | 0. | 0. | 333. | 25. | 0.0757 | 0.9243 | 0.2996 |
| 10 | 0. | 0. | 0. | 7. | 123. | 68. | 108. | 2. | 0. | 0. | 0. | 0. | 308. | 59. | 0.1913 | 0.8087 | 0.2770 |
| 11 | 10. | 0. | 0. | 2. | 58. | 127. | 69. | 3. | 0. | 0. | 0. | 0. | 259. | 29. | 0.1102 | 0.8898 | 0.2240 |
| 12 | 0. | 0. | 0. | 0. | 40. | 122. | 60. | 8. | 0. | 0. | 0. | 0. | 230. | 21. | 0.0912 | 0.9088 | 0.1993 |
| 13 | 0. | 0. | 0. | 0. | 22. | 93. | 81. | 13. | 0. | 0. | 0. | 0. | 209. | 31. | 0.1479 | 0.8521 | 0.1811 |
| 14 | 0. | 0. | 0. | 0. | 12. | 55. | 94. | 17. | 0. | 0. | 0. | 0. | 178. | 26. | 0.1458 | 0.8542 | 0.1543 |
| 15 | 0. | 0. | 0. | 0. | 0. | 10. | 120. | 30. | 0. | 0. | 0. | 0. | 152. | 17. | 0.1116 | 0.8884 | 0.1318 |
| 16 | 7. | 0. | 0. | 0. | 0. | 0. | 100. | 32. | 0. | 0. | 0. | 0. | 142. | 25. | 0.1757 | 0.8243 | 0.1171 |
| 17 | 0. | 0. | 0. | 0. | 0. | 8. | 61. | 48. | 0. | 0. | 0. | 0. | 117. | 4. | 0.0341 | 0.9659 | 0.0965 |
| 18 | 0. | 0. | 0. | 0. | 0. | 8. | 48. | 57. | 0. | 0. | 0. | 0. | 113. | 9. | 0.0794 | 0.9206 | 0.0932 |
| 19 | 0. | 0. | 0. | 0. | 0. | 6. | 14. | 84. | 0. | 0. | 0. | 0. | 104. | 4. | 0.0383 | 0.9617 | 0.0858 |
| 20 | 0. | 0. | 0. | 0. | 0. | 6. | 13. | 81. | 0. | 0. | 0. | 0. | 100. | 21. | 0.2105 | 0.7895 | 0.0826 |
| 21 | 0. | 0. | 0. | 0. | 0. | 6. | 8. | 65. | 0. | 0. | 0. | 0. | 79. | 12. | 0.1529 | 0.8471 | 0.0552 |
| 22 | 0. | 0. | 0. | 0. | 0. | 0. | 10. | 57. | 0. | 0. | 0. | 0. | 67. | 15. | 0.2243 | 0.7757 | 0.0552 |
| 23 | 0. | 0. | 0. | 0. | 0. | 0. | 8. | 44. | 0. | 0. | 0. | 0. | 52. | 25. | 0.4808 | 0.5192 | 0.0428 |
| 24 | 0. | 0. | 0. | 0. | 0. | 0. | 5. | 22. | 0. | 0. | 0. | 0. | 27. | 6. | 0.2221 | 0.7779 | 0.0222 |
| 25 | 0. | 0. | 0. | 0. | 0. | 0. | 4. | 17. | 0. | 0. | 0. | 0. | 21. | 13. | 0.6184 | 0.3816 | 0.0173 |
| 26 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 3. | 0. | 0. | 0. | 0. | 8. | 2. | 0.2523 | 0.7477 | 0.0066 |
| 27 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 6. | 0. | 0. | 0. | 0. | 6. | 1. | 0.1667 | 0.8333 | 0.0049 |
| 28 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 5. | 0. | 0. | 0. | 0. | 5. | 2. | 0.4000 | 0.6000 | 0.0041 |
| 29 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 3. | 0. | 0. | 0. | 0. | 3. | 0. | 0.0 | 1.0000 | 0.0025 |
| 30 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 3. | 0. | 0. | 0. | 0. | 3. | 1. | 0.3333 | 0.6667 | 0.0025 |
| 31 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 2. | 0. | 0. | 0. | 0. | 2. | 0. | 0.0 | 1.0000 | 0.0016 |
| 32 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 2. | 0. | 0. | 0. | 0. | 2. | 1. | 0.5000 | 0.5000 | 0.0016 |
| 33 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 1. | 1. | 1.0000 | 0.0 | 0.0008 |
| 34 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0.0 | 1.0000 | 0.0 |
| 35 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0.0 | 1.0000 | 0.0 |
| TOT | 1083. | 200. | 945. | 827. | 2461. | 1937. | 991. | 601. | 0. | 0. | 0. | 0. | 7762. | 1083. | 0.1395 | 0.3605 | 7.1668 |
| AVERAGE YOS | | | 1.74 | 4.64 | 3.75 | 6.68 | 12.70 | 19.26 | 0.0 | 0.0 | 0.0 | 0.0 | | | | | |
| PRODUCTIVITY | | | 286. | 719. | 1281. | 1668. | 991. | 601. | 0. | 0. | 0. | 0. | 6.68 | | | | |
| | | | | | | | | | | | | | 5546. | | | | |

***** PHS BASELINE OFFICERS--9 CATEGORIES *****
 * * * FILENAME= PBO09CAT BASELINE DATE= 12/16/83 TIME= 15:03:16 * * *

***** TOTAL FORCE LOSS DISPLAY *****

| YR | XFROTH | XFROFF | DEATH | RETDIS | RET | FC | RETVOL | RETINV | OTHDIS | OTH | FC | OTHVOL | OTHINV | PROMOUT | TOTALS |
|------|--------|--------|-------|--------|-----|-----|--------|--------|--------|------|-----|--------|--------|---------|--------|
| 1 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 105. | 13. | 8. | 0. | 0. | 126. |
| 2 | 40. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 112. | 16. | 5. | 0. | 0. | 133. |
| 3 | 86. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 74. | 12. | 6. | 0. | 0. | 92. |
| 4 | 74. | 0. | 1. | 0. | 0. | 0. | 0. | 0. | 3. | 94. | 21. | 9. | 0. | 0. | 126. |
| 5 | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 0. | 55. | 11. | 5. | 0. | 0. | 72. |
| 6 | 0. | 0. | 1. | 1. | 0. | 0. | 0. | 0. | 1. | 63. | 9. | 5. | 0. | 0. | 80. |
| 7 | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 0. | 42. | 3. | 4. | 0. | 0. | 50. |
| 8 | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 0. | 0. | 46. | 3. | 2. | 0. | 0. | 52. |
| 9 | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 0. | 1. | 17. | 5. | 1. | 0. | 0. | 25. |
| 10 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 54. | 3. | 2. | 0. | 0. | 59. |
| 11 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | 27. | 0. | 1. | 0. | 0. | 29. |
| 12 | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 0. | 17. | 2. | 1. | 0. | 0. | 21. |
| 13 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 26. | 4. | 1. | 0. | 0. | 31. |
| 14 | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 0. | 0. | 25. | 0. | 0. | 0. | 0. | 26. |
| 15 | 0. | 0. | 1. | 1. | 0. | 0. | 0. | 0. | 2. | 12. | 1. | 1. | 0. | 0. | 17. |
| 16 | 0. | 0. | 1. | 2. | 1. | 0. | 0. | 0. | 1. | 18. | 2. | 0. | 0. | 0. | 25. |
| 17 | 0. | 0. | 0. | 1. | 2. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 0. | 0. | 4. |
| 18 | 0. | 0. | 0. | 2. | 2. | 0. | 0. | 0. | 2. | 2. | 1. | 0. | 0. | 0. | 9. |
| 19 | 0. | 0. | 1. | 1. | 2. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 4. |
| 20 | 0. | 0. | 1. | 0. | 13. | 4. | 3. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 21. |
| 21 | 0. | 0. | 0. | 0. | 10. | 2. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 12. |
| 22 | 0. | 0. | 0. | 0. | 9. | 6. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 15. |
| 23 | 0. | 0. | 1. | 0. | 8. | 15. | 1. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 25. |
| 24 | 0. | 0. | 0. | 0. | 3. | 3. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 6. |
| 25 | 0. | 0. | 0. | 0. | 9. | 4. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 13. |
| 26 | 0. | 0. | 0. | 0. | 2. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 2. |
| 27 | 0. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. |
| 28 | 0. | 0. | 1. | 0. | 1. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 2. |
| 29 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 30 | 0. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. |
| 31 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 32 | 0. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. |
| 33 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 34 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 35 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 200. | 0. | 0. | 10. | 11. | 66. | 34. | 5. | 11. | 789. | 106. | 51. | 0. | 1083. | | |

RETIRED POPULATION 444. 2131. 1089. 170. 3834.
 1-----{ 3390. }-----{

***** PHS BASELINE OFFICERS--9 CATEGORIES *****
 * FILENAME= PB009CAT BASELINE DATE= 12/16/83 TIME= 15:03:17 *

***** CATEGORY= TOTAL FORCE *****

| | GRADE-1 | GRADE-2 | GRADE-3 | GRADE-4 | GRADE-5 | GRADE-6 | GRADE-7 | GRADE-8 | GRADE-9 | GRADE-10 | TOTAL |
|------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|-------|
| BEGIN STRENGTH | 945. | 827. | 2461. | 1937. | 991. | 601. | 0. | 0. | 0. | 0. | 7762. |
| *****LOSSES***** | | | | | | | | | | | |
| PROM-OUT | 224. | 206. | 346. | 299. | 110. | 0. | 0. | 0. | 0. | 0. | 1185. |
| LOSS:XFR-OTH | 0. | 0. | 100. | 100. | 0. | 0. | 0. | 0. | 0. | 0. | 200. |
| LOSS:XFR-OFF | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| LOSS:DEATH | 0. | 0. | 1. | 3. | 1. | 5. | 0. | 0. | 0. | 0. | 10. |
| LOSS:RET-DIS | 0. | 0. | 1. | 2. | 4. | 4. | 0. | 0. | 0. | 0. | 11. |
| LOSS:RET-FC | 0. | 0. | 0. | 3. | 5. | 58. | 0. | 0. | 0. | 0. | 66. |
| LOSS:RET-VOL | 0. | 0. | 0. | 0. | 2. | 32. | 0. | 0. | 0. | 0. | 34. |
| LOSS:RET-INV | 0. | 0. | 0. | 0. | 0. | 5. | 0. | 0. | 0. | 0. | 5. |
| LOSS:OTH-DIS | 1. | 1. | 0. | 3. | 6. | 0. | 0. | 0. | 0. | 0. | 11. |
| LOSS:OTH-FC | 65. | 44. | 311. | 221. | 141. | 7. | 0. | 0. | 0. | 0. | 789. |
| LOSS:OTH-VOL | 21. | 1. | 20. | 41. | 19. | 4. | 0. | 0. | 0. | 0. | 106. |
| LOSS:OTH-INV | 7. | 2. | 12. | 18. | 10. | 2. | 0. | 0. | 0. | 0. | 51. |
| TOTAL LOSSES | 318. | 254. | 790. | 690. | 299. | 117. | 0. | 0. | 0. | 0. | 2468. |
| *****GAINS***** | | | | | | | | | | | |
| GAINS TO | 318. | 30. | 584. | 144. | 0. | 7. | 0. | 0. | 0. | 0. | 1083. |
| GAINS OTHER | 0. | 0. | 0. | 200. | 0. | 0. | 0. | 0. | 0. | 0. | 200. |
| PROM-IN | 0. | 224. | 206. | 346. | 299. | 110. | 0. | 0. | 0. | 0. | 1185. |
| TOTAL GAINS | 318. | 254. | 790. | 690. | 299. | 117. | 0. | 0. | 0. | 0. | 2468. |
| END STRENGTH | 945. | 827. | 2461. | 1937. | 991. | 601. | 0. | 0. | 0. | 0. | 7762. |

 * FILENAME= ABW02CAT BASELINE DATE= 12/16/83 TIME= 15:00:23
 * ARMY BASELINE WARRANTS--2 CATEGORIES (REVISED 23 MAY)

***** TOTAL FORCE DISPLAY *****

| YOS | G:IO | G:OTH | GRD-1 | GRD-2 | GRD-3 | GRD-4 | GRD-5 | GRD-6 | GRD-7 | GRD-8 | GRD-9 | GRD10 | TOTAL LOSSES | LOSS | RETN | CONT | |
|--------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------------|-------|--------|--------|---------|
| 1 | 267. | 0. | 267. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 267. | 16. | 0.0585 | 0.9415 | 1.0000 |
| 2 | 30. | 0. | 282. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 282. | 14. | 0.0490 | 0.9510 | 0.9415 |
| 3 | 12. | 0. | 223. | 63. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 286. | 24. | 0.0841 | 0.9159 | 0.8954 |
| 4 | 68. | 0. | 185. | 145. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 330. | 70. | 0.2116 | 0.7884 | 0.8201 |
| 5 | 48. | 0. | 162. | 146. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 308. | 54. | 0.1751 | 0.8249 | 0.6465 |
| 6 | 89. | 0. | 157. | 186. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 343. | 41. | 0.1195 | 0.8805 | 0.5333 |
| 7 | 76. | 0. | 182. | 106. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 378. | 92. | 0.2436 | 0.7504 | 0.4656 |
| 8 | 146. | 0. | 215. | 207. | 10. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 432. | 28. | 0.0649 | 0.9351 | 0.3552 |
| 9 | 84. | 0. | 229. | 249. | 10. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 488. | 35. | 0.0709 | 0.9291 | 0.3322 |
| 10 | 93. | 0. | 238. | 260. | 54. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 551. | 46. | 0.0834 | 0.9166 | 0.3086 |
| 11 | 84. | 0. | 247. | 268. | 74. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 589. | 17. | 0.0289 | 0.9711 | 0.2828 |
| 12 | 92. | 0. | 242. | 329. | 93. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 664. | 13. | 0.0197 | 0.9803 | 0.2747 |
| 13 | 84. | 0. | 263. | 363. | 106. | 3. | 0. | 0. | 0. | 0. | 0. | 0. | 735. | 48. | 0.0657 | 0.9343 | 0.2653 |
| 14 | 84. | 0. | 248. | 367. | 145. | 11. | 0. | 0. | 0. | 0. | 0. | 0. | 771. | 57. | 0.046 | 0.9234 | 0.2516 |
| 15 | 61. | 0. | 221. | 351. | 188. | 14. | 0. | 0. | 0. | 0. | 0. | 0. | 774. | 26. | 0.0336 | 0.9664 | 0.2328 |
| 16 | 46. | 0. | 213. | 333. | 221. | 27. | 0. | 0. | 0. | 0. | 0. | 0. | 794. | 59. | 0.0746 | 0.9254 | 0.2250 |
| 17 | 0. | 0. | 133. | 276. | 281. | 45. | 0. | 0. | 0. | 0. | 0. | 0. | 735. | 38. | 0.0515 | 0.9485 | 0.4082 |
| 18 | 0. | 0. | 30. | 260. | 322. | 65. | 0. | 0. | 0. | 0. | 0. | 0. | 697. | 26. | 0.0417 | 0.9583 | 0.1975 |
| 19 | 0. | 0. | 3. | 245. | 344. | 76. | 0. | 0. | 0. | 0. | 0. | 0. | 568. | 9. | 0.0141 | 0.9859 | 0.1892 |
| 20 | 0. | 0. | 0. | 240. | 341. | 78. | 0. | 0. | 0. | 0. | 0. | 0. | 659. | 11. | 0.0170 | 0.9830 | 0.1866 |
| 21 | 0. | 0. | 0. | 220. | 324. | 104. | 0. | 0. | 0. | 0. | 0. | 0. | 648. | 21. | 0.0327 | 0.9673 | 0.1834 |
| 22 | 0. | 0. | 0. | 200. | 302. | 124. | 0. | 0. | 0. | 0. | 0. | 0. | 626. | 11. | 0.0181 | 0.9819 | 0.1774 |
| 23 | 0. | 0. | 0. | 184. | 289. | 142. | 0. | 0. | 0. | 0. | 0. | 0. | 615. | 28. | 0.0448 | 0.9552 | 0.1742 |
| 24 | 0. | 0. | 0. | 174. | 259. | 155. | 0. | 0. | 0. | 0. | 0. | 0. | 587. | 19. | 0.0320 | 0.9680 | 0.1664 |
| 25 | 0. | 0. | 0. | 164. | 235. | 170. | 0. | 0. | 0. | 0. | 0. | 0. | 569. | 172. | 0.3031 | 0.6969 | 0.1511 |
| 26 | 0. | 0. | 0. | 0. | 212. | 184. | 0. | 0. | 0. | 0. | 0. | 0. | 396. | 242. | 0.6117 | 0.3883 | 0.1122 |
| 27 | 0. | 0. | 0. | 0. | 0. | 154. | 0. | 0. | 0. | 0. | 0. | 0. | 154. | 42. | 0.2725 | 0.7275 | 0.0436 |
| 28 | 0. | 0. | 0. | 0. | 0. | 112. | 0. | 0. | 0. | 0. | 0. | 0. | 112. | 18. | 0.1604 | 0.8396 | 0.0317 |
| 29 | 0. | 0. | 0. | 0. | 0. | 94. | 0. | 0. | 0. | 0. | 0. | 0. | 94. | 65. | 0.6931 | 0.3069 | 0.0266 |
| 30 | 0. | 0. | 0. | 0. | 0. | 29. | 0. | 0. | 0. | 0. | 0. | 0. | 29. | 29. | 1.0000 | 0.0000 | 0.0082 |
| 31 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0.0 | 1.0000 | 0.0000 |
| 32 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0.0 | 1.0000 | 0.0000 |
| 33 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0.0 | 1.0000 | 0.0000 |
| 34 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0.0 | 1.0000 | 0.0000 |
| 35 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0.0 | 1.0000 | 0.0000 |
| TOT | 1375. | 0. | 3760. | 5424. | 3812. | 1587. | 0. | 0. | 0. | 0. | 0. | 0. | 14584. | 1375. | 0.0943 | 0.9057 | 10.6035 |
| AVERAGE | YOS | | 8.51 | 13.91 | 18.93 | 23.19 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 14.84 | | | | |
| PRODUCTIVITY | | | 3124. | 5357. | 3812. | 1587. | 0. | 0. | 0. | 0. | 0. | 0. | 13880. | | | | |

* ARMY BASELINE WARRANTS--2 CATEGORIES (REVISED 23 MAY) *
* FILENAME= ABW02CAT BASELINE *
* DATE= 12/16/83 TIME= 15:00:26 *

***** TOTAL FORCE LOSS DISPLAY *****

| YR | XFROTH | XFROFF | DEATH | RETDIS | RET | FC | RETVOL | RETINV | OTHDIS | OTH | FC | OTHVOL | OTHINV | PROMOUT | TOTALS |
|----|--------|--------|-------|--------|------|----|--------|--------|--------|-----|----|--------|--------|---------|--------|
| 1 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | 14. | 0. | 0. | 0. | 0. | 16. |
| 2 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | 13. | 0. | 0. | 0. | 0. | 14. |
| 3 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 22. | 0. | 0. | 1. | 0. | 24. |
| 4 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 67. | 1. | 1. | 1. | 0. | 70. |
| 5 | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 0. | 52. | 1. | 1. | 0. | 0. | 54. |
| 6 | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 0. | 38. | 1. | 1. | 1. | 0. | 41. |
| 7 | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 0. | 90. | 1. | 1. | 0. | 0. | 92. |
| 8 | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 0. | 24. | 0. | 0. | 1. | 0. | 28. |
| 9 | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 0. | 32. | 0. | 0. | 1. | 0. | 35. |
| 10 | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 0. | 42. | 1. | 1. | 1. | 0. | 46. |
| 11 | 0. | 0. | 0. | 2. | 0. | 0. | 0. | 0. | 0. | 13. | 1. | 1. | 1. | 0. | 17. |
| 12 | 0. | 0. | 0. | 2. | 0. | 0. | 0. | 0. | 0. | 9. | 1. | 1. | 1. | 0. | 13. |
| 13 | 0. | 0. | 1. | 2. | 0. | 0. | 0. | 0. | 0. | 43. | 1. | 1. | 1. | 0. | 48. |
| 14 | 0. | 0. | 1. | 3. | 0. | 0. | 0. | 0. | 0. | 52. | 1. | 0. | 0. | 0. | 57. |
| 15 | 0. | 0. | 1. | 3. | 0. | 0. | 0. | 0. | 0. | 20. | 0. | 1. | 0. | 0. | 26. |
| 16 | 0. | 0. | 1. | 4. | 0. | 0. | 0. | 0. | 0. | 53. | 2. | 1. | 0. | 0. | 59. |
| 17 | 0. | 0. | 1. | 4. | 0. | 0. | 0. | 0. | 0. | 25. | 8. | 0. | 0. | 0. | 38. |
| 18 | 0. | 0. | 1. | 4. | 0. | 0. | 0. | 0. | 0. | 24. | 1. | 1. | 0. | 0. | 29. |
| 19 | 0. | 0. | 1. | 4. | 0. | 0. | 0. | 0. | 0. | 4. | 0. | 0. | 1. | 0. | 9. |
| 20 | 0. | 0. | 1. | 4. | 5. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | 0. | 11. |
| 21 | 0. | 0. | 1. | 5. | 16. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 21. |
| 22 | 0. | 0. | 1. | 5. | 5. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | 0. | 11. |
| 23 | 0. | 0. | 1. | 5. | 22. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 28. |
| 24 | 0. | 0. | 1. | 5. | 13. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 19. |
| 25 | 0. | 0. | 1. | 6. | 165. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | 0. | 172. |
| 26 | 0. | 0. | 0. | 4. | 236. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 2. | 0. | 242. |
| 27 | 0. | 0. | 0. | 2. | 40. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 42. |
| 28 | 0. | 0. | 0. | 1. | 16. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 18. |
| 29 | 0. | 0. | 0. | 1. | 64. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 65. |
| 30 | 0. | 0. | 0. | 0. | 28. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 29. |
| 31 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 32 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 33 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 34 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 35 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |

0. 0. 12. 74. 608. 0. 0. 7. 637. 20. 17. 0. 1375.

RETIRED POPULATION 2799. 19317. 0. 0. 0. 22116.

 * ARMY BASELINE WARRANTS--2 CATEGORIES (REVISED 23 MAY) *
 * FILENAME= ABW02CAT BASELINE *
 * DATE= 12/16/83 TIME= 15:00:30 *

***** CATEGORY= TOTAL FORCE *****

***** FLOW RECONCILIATION *****

| | GRADE-1 | GRADE-2 | GRADE-3 | GRADE-4 | GRADE-5 | GRADE-6 | GRADE-7 | GRADE-8 | GRADE-9 | GRADE-10 | TOTAL |
|------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|--------|
| BEGIN STRENGTH | 3760. | 5424. | 3812. | 1587. | 0. | 0. | 0. | 0. | 0. | 0. | 14584. |
| *****LOSSES***** | | | | | | | | | | | |
| PROM-OUT | 764. | 592. | 202. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1558. |
| LOSS:XFR-OTH | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| LOSS:XFR-OFF | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| LOSS:DEATH | 2. | 4. | 4. | 2. | 0. | 0. | 0. | 0. | 0. | 0. | 12. |
| LOSS:RET-DIS | 10. | 24. | -25. | 15. | 0. | 0. | 0. | 0. | 0. | 0. | 74. |
| LOSS:RET-FC | 0. | 70. | 357. | 182. | 0. | 0. | 0. | 0. | 0. | 0. | 608. |
| LOSS:RET-VOL | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| LOSS:RET-INV | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| LOSS:OTH-DIS | 4. | 3. | 1. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 7. |
| LOSS:OTH-FC | 589. | 48. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 637. |
| LOSS:OTH-VOL | 3. | 16. | 1. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 20. |
| LOSS:OTH-INV | 4. | 8. | 3. | 3. | 0. | 0. | 0. | 0. | 0. | 0. | 17. |
| TOTAL LOSSES | 1375. | 764. | 592. | 202. | 0. | 0. | 0. | 0. | 0. | 0. | 2933. |
| *****GAINS***** | | | | | | | | | | | |
| GAINS TO | 1375. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1375. |
| GAINS OTHER | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| PROM-IN | 0. | 764. | 592. | 202. | 0. | 0. | 0. | 0. | 0. | 0. | 1558. |
| TOTAL GAINS | 1375. | 764. | 592. | 202. | 0. | 0. | 0. | 0. | 0. | 0. | 2933. |
| END STRENGTH | 3760. | 5424. | 3812. | 1587. | 0. | 0. | 0. | 0. | 0. | 0. | 14584. |

NAVY BASELINE WARRANT OFFICER, 1 CATEGORY.

TIME= 15:00:40

DATE= 12/16/83

BASELINE

FILENAME= NBM01CAT

TOTAL FORCE DISPLAY

| YOS | G:TO | G:OTH | GRD-1 | GRD-2 | GRD-3 | GRD-4 | GRD-5 | GRD-6 | GRD-7 | GRD-8 | GRD-9 | GRD10 | TOTAL LOSSES | LOSS | RETN | CONT |
|---------|------|--------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------------|------|--------|--------|
| 1 | 340. | 0. | 0. | 340. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 340. | 0. | 0.0006 | 0.9994 |
| 2 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0.1898 | 0.8102 |
| 3 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0.0117 | 0.9883 |
| 4 | 0. | 0. | 0. | 248. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 276. | 3. | 0.0121 | 0.9879 |
| 5 | 0. | 0. | 0. | 24. | 245. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 269. | 14. | 0.0513 | 0.9487 |
| 6 | 0. | 0. | 0. | 24. | 231. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 255. | 26. | 0.1036 | 0.8964 |
| 7 | 0. | 0. | 0. | 0. | 44. | 185. | 0. | 0. | 0. | 0. | 0. | 0. | 229. | 0. | 0.0017 | 0.9983 |
| 8 | 0. | 0. | 0. | 0. | 44. | 185. | 0. | 0. | 0. | 0. | 0. | 0. | 228. | 13. | 0.0549 | 0.9451 |
| 9 | 0. | 0. | 0. | 0. | 37. | 179. | 0. | 0. | 0. | 0. | 0. | 0. | 216. | 42. | 0.1928 | 0.8072 |
| 10 | 0. | 0. | 0. | 0. | 24. | 151. | 0. | 0. | 0. | 0. | 0. | 0. | 174. | 24. | 0.1394 | 0.8606 |
| 11 | 0. | 0. | 0. | 0. | 0. | 150. | 0. | 0. | 0. | 0. | 0. | 0. | 150. | 18. | 0.1231 | 0.8769 |
| 12 | 0. | 0. | 0. | 0. | 0. | 132. | 0. | 0. | 0. | 0. | 0. | 0. | 132. | 15. | 0.1122 | 0.8878 |
| 13 | 0. | 0. | 0. | 0. | 0. | 117. | 0. | 0. | 0. | 0. | 0. | 0. | 117. | 7. | 0.0601 | 0.9399 |
| 14 | 0. | 0. | 0. | 0. | 0. | 110. | 0. | 0. | 0. | 0. | 0. | 0. | 110. | 23. | 0.2072 | 0.7928 |
| 15 | 0. | 0. | 0. | 0. | 0. | 87. | 0. | 0. | 0. | 0. | 0. | 0. | 87. | 48. | 0.5483 | 0.4517 |
| 16 | 0. | 0. | 0. | 0. | 0. | 39. | 0. | 0. | 0. | 0. | 0. | 0. | 39. | 39. | 1.0000 | 0.0 |
| 17 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0.0 | 1.0000 |
| 18 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0.0 | 1.0000 |
| 19 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0.0 | 1.0000 |
| 20 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0.0 | 1.0000 |
| 21 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0.0 | 1.0000 |
| 22 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0.0 | 1.0000 |
| 23 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0.0 | 1.0000 |
| 24 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0.0 | 1.0000 |
| 25 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0.0 | 1.0000 |
| 26 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0.0 | 1.0000 |
| 27 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0.0 | 1.0000 |
| 28 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0.0 | 1.0000 |
| 29 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0.0 | 1.0000 |
| 30 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0.0 | 1.0000 |
| 31 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0.0 | 1.0000 |
| 32 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0.0 | 1.0000 |
| 33 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0.0 | 1.0000 |
| 34 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0.0 | 1.0000 |
| 35 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0.0 | 1.0000 |
| TOT | 340. | 0. | 0. | 1029. | 872. | 1334. | 0. | 0. | 0. | 0. | 0. | 0. | 3235. | 340. | 0.1052 | 0.8948 |
| AVERAGE | YOS | PRODUCTIVITY | 0.0 | 1.65 | 5.04 | 10.08 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.04 | | | |
| | | | 0. | 289. | 810. | 1334. | 0. | 0. | 0. | 0. | 0. | 0. | 2433. | | | |

App K-69

 * NAVY BASELINE WARRANT OFFICER, 1 CATEGORY.
 *
 * FILENAME= NBM01CAT BASELINE DATE= 12/16/83 TIME= 15:00:40

***** TOTAL FORCE LOSS DISPLAY *****

| YR | XFROTH | XFROFF | DEATH | RETDIS | RET FC | RETVOL | RETIW | OTHDIS | OTH FC | OTRVOL | OTHINW | PROMOUT | TOTALS |
|----|--------|--------|-------|--------|--------|--------|-------|--------|--------|--------|--------|---------|--------|
| 1 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 2 | 0. | 63. | 0. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 0. | 65. |
| 3 | 0. | 3. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 3. |
| 4 | 0. | 12. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 14. |
| 5 | 0. | 2. | 0. | 0. | 5. | 0. | 1. | 0. | 19. | 0. | 0. | 0. | 26. |
| 6 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 7 | 0. | 4. | 0. | 2. | 6. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 13. |
| 8 | 0. | 4. | 0. | 24. | 13. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 42. |
| 9 | 0. | 0. | 0. | 0. | 11. | 0. | 0. | 0. | 12. | 0. | 0. | 0. | 24. |
| 10 | 0. | 0. | 0. | 0. | 18. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 18. |
| 11 | 0. | 0. | 0. | 0. | 15. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 15. |
| 12 | 0. | 0. | 0. | 0. | 7. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 7. |
| 13 | 0. | 0. | 0. | 0. | 22. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 23. |
| 14 | 0. | 0. | 0. | 0. | 47. | 0. | 0. | 0. | 39. | 0. | 0. | 0. | 48. |
| 15 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 39. |
| 16 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 17 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 18 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 19 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 20 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 21 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 22 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 23 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 24 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 25 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 26 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 27 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 28 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 29 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 30 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 31 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 32 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 33 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 34 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 35 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 0. | 0. | 91. | 3. | 28. | 145. | 0. | 3. | 0. | 71. | 0. | 1. | 0. | 340. |

RETIRED POPULATION 1320. 5399. 0. 105.
 1----(5505.)----

6824.

 * NAVY BASELINE WARRANT OFFICER, 1 CATEGORY.
 *
 * FILENAME= NBD01CAT BASELINE DATE= 12/16/83 TIME= 15:00:41
 *

***** CATEGORY= TOTAL FORCE *****

***** FLOW RECONCILIATION *****

| | GRADE-1 | GRADE-2 | GRADE-3 | GRADE-4 | GRADE-5 | GRADE-6 | GRADE-7 | GRADE-8 | GRADE-9 | GRADE-10 | TOTAL |
|----------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|-------|
| BEGIN STRENGTH | 0. | 1029. | 872. | 1334. | 0. | 0. | 0. | 0. | 0. | 0. | 3235. |

*****LOSSES*****

| | | | | | | | | | | | |
|--------------|----|------|------|------|----|----|----|----|----|----|------|
| PROM-OUT | 0. | 248. | 185. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 433. |
| LOSS:XFR-OTH | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| LOSS:XFR-OFF | 0. | 66. | 17. | 8. | 0. | 0. | 0. | 0. | 0. | 0. | 91. |
| LOSS:DEATH | 0. | 1. | 1. | 1. | 0. | 0. | 0. | 0. | 0. | 0. | 3. |
| LOSS:RET-DIS | 0. | 0. | 1. | 27. | 0. | 0. | 0. | 0. | 0. | 0. | 28. |
| LOSS:RET-FC | 0. | 5. | 31. | 109. | 0. | 0. | 0. | 0. | 0. | 0. | 145. |
| LOSS:RET-VOL | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| LOSS:RET-INV | 0. | 1. | 1. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 3. |
| LOSS:OTH-DIS | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| LOSS:OTH-FC | 0. | 19. | 12. | 39. | 0. | 0. | 0. | 0. | 0. | 0. | 71. |
| LOSS:OTH-VOL | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| LOSS:OTH-INV | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. |
| TOTAL LOSSES | 0. | 340. | 248. | 185. | 0. | 0. | 0. | 0. | 0. | 0. | 773. |

*****GAINS*****

| | | | | | | | | | | | |
|-------------|----|------|------|------|----|----|----|----|----|----|------|
| GAINS TO | 0. | 340. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 340. |
| GAINS OTHER | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| PROM-IN | 0. | 0. | 248. | 185. | 0. | 0. | 0. | 0. | 0. | 0. | 433. |
| TOTAL GAINS | 0. | 340. | 248. | 185. | 0. | 0. | 0. | 0. | 0. | 0. | 773. |

END STRENGTH

| | | | | | | | | | | | |
|--|----|-------|------|-------|----|----|----|----|----|----|-------|
| | 0. | 1029. | 872. | 1334. | 0. | 0. | 0. | 0. | 0. | 0. | 3235. |
|--|----|-------|------|-------|----|----|----|----|----|----|-------|

***** MARINE BASELINE WARRANT --1 CATEGORY *****
* FILENAME= MBH01CAT BASELINE *
* DATE= 12/16/83 TIME= 15:00:59 *

***** TOTAL FORCE DISPLAY *****

| YOS | G:TO | G:OTH | GRD-1 | GRD-2 | GRD-3 | GRD-4 | GRD-5 | GRD-6 | GRD-7 | GRD-8 | GRD-9 | GRD10 | TOTAL LOSSES | LOSS | RETN | CONT |
|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------------|------|--------|--------|
| 1 | 197. | 0. | 197. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 197. | 2. | 0.0080 | 0.9920 |
| 2 | 0. | 0. | 195. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 195. | 1. | 0.0040 | 0.9960 |
| 3 | 0. | 0. | 0. | 195. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 195. | 75. | 0.3880 | 0.6120 |
| 4 | 0. | 0. | 0. | 119. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 119. | 46. | 0.3850 | 0.6150 |
| 5 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 73. | 11. | 0.1490 | 0.8510 |
| 6 | 0. | 0. | 0. | 62. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 10. | 10. | 0.1550 | 0.8450 |
| 7 | 0. | 0. | 0. | 0. | 52. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 52. | 1. | 0.0192 | 0.9808 |
| 8 | 0. | 0. | 0. | 0. | 51. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 51. | 4. | 0.0784 | 0.9216 |
| 9 | 0. | 0. | 0. | 0. | 47. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 47. | 3. | 0.0630 | 0.9370 |
| 10 | 0. | 0. | 0. | 0. | 44. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 44. | 2. | 0.0340 | 0.9660 |
| 11 | 0. | 0. | 0. | 0. | 0. | 43. | 0. | 0. | 0. | 0. | 0. | 0. | 43. | 6. | 0.1310 | 0.8690 |
| 12 | 0. | 0. | 0. | 0. | 0. | 37. | 0. | 0. | 0. | 0. | 0. | 0. | 37. | 4. | 0.1010 | 0.8990 |
| 13 | 0. | 0. | 0. | 0. | 0. | 33. | 0. | 0. | 0. | 0. | 0. | 0. | 33. | 5. | 0.1515 | 0.8485 |
| 14 | 0. | 0. | 0. | 0. | 0. | 28. | 0. | 0. | 0. | 0. | 0. | 0. | 28. | 4. | 0.330 | 0.670 |
| 15 | 0. | 0. | 0. | 0. | 0. | 25. | 0. | 0. | 0. | 0. | 0. | 0. | 25. | 3. | 0.1250 | 0.8750 |
| 16 | 0. | 0. | 0. | 0. | 0. | 22. | 0. | 0. | 0. | 0. | 0. | 0. | 22. | 4. | 0.1820 | 0.8180 |
| 17 | 0. | 0. | 0. | 0. | 0. | 18. | 0. | 0. | 0. | 0. | 0. | 0. | 18. | 4. | 0.2230 | 0.7770 |
| 18 | 0. | 0. | 0. | 0. | 0. | 14. | 0. | 0. | 0. | 0. | 0. | 0. | 14. | 3. | 0.2308 | 0.7692 |
| 19 | 0. | 0. | 0. | 0. | 0. | 11. | 0. | 0. | 0. | 0. | 0. | 0. | 11. | 2. | 0.1890 | 0.8110 |
| 20 | 0. | 0. | 0. | 0. | 0. | 9. | 0. | 0. | 0. | 0. | 0. | 0. | 9. | 2. | 0.2470 | 0.7530 |
| 21 | 0. | 0. | 0. | 0. | 0. | 6. | 0. | 0. | 0. | 0. | 0. | 0. | 6. | 2. | 0.330 | 0.670 |
| 22 | 0. | 0. | 0. | 0. | 0. | 4. | 0. | 0. | 0. | 0. | 0. | 0. | 4. | 1. | 0.2509 | 0.7500 |
| 23 | 0. | 0. | 0. | 0. | 0. | 3. | 0. | 0. | 0. | 0. | 0. | 0. | 3. | 1. | 0.3333 | 0.6667 |
| 24 | 0. | 0. | 0. | 0. | 0. | 2. | 0. | 0. | 0. | 0. | 0. | 0. | 2. | 2. | 1.0000 | 0.0 |
| 25 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0.0 | 1.0000 |
| 26 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0.0 | 1.0000 |
| 27 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0.0 | 1.0000 |
| 28 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0.0 | 1.0000 |
| 29 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0.0 | 1.0000 |
| 30 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0.0 | 1.0000 |
| 31 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0.0 | 1.0000 |
| 32 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0.0 | 1.0000 |
| 33 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0.0 | 1.0000 |
| 34 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0.0 | 1.0000 |
| 35 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0.0 | 1.0000 |

TOT 197. 0. 392. 448. 195. 254. 0. 0. 0. 0. 0. 0. 0. 1290. 197. 0.1526 0.8474 6.5516
AVERAGE YOS 1.00 3.50 7.93 14.18 0.0 0.0 0.0 0.0 0.0 0.0 0.0 5.52
PRODUCTIVITY 49. 321. 195. 254.

MARINE BASELINE WARRANT --1 CATEGORY

FILENAME= MBMOTCAT BASELINE

DATE= 12/16/83

TIME= 15:01:01

***** TOTAL FORCE LOSS DISPLAY *****

| YR | XFROTH | XFROFF | DEATH | RETDIS | RET | RETFC | RETVOL | RETIW | OTHDIS | OTHFC | OTHVOL | OTHINV | PROMOUT | TOTALS |
|----|--------|--------|-------|--------|-----|-------|--------|-------|--------|-------|--------|--------|---------|--------|
| 1 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 2. | 0. | 0. | 0. | 2. |
| 2 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 1. |
| 3 | 0. | 72. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 3. | 0. | 0. | 75. |
| 4 | 0. | 40. | 0. | 0. | 2. | 2. | 0. | 0. | 0. | 0. | 5. | 0. | 0. | 46. |
| 5 | 0. | 9. | 0. | 0. | 2. | 2. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 11. |
| 6 | 0. | 8. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | 0. | 0. | 10. |
| 7 | 0. | 0. | 0. | 0. | 0. | 4. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 4. |
| 8 | 0. | 0. | 0. | 0. | 3. | 3. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 3. |
| 9 | 0. | 0. | 0. | 0. | 2. | 2. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 2. |
| 10 | 0. | 0. | 0. | 0. | 6. | 6. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 6. |
| 11 | 0. | 0. | 0. | 0. | 4. | 4. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 4. |
| 12 | 0. | 0. | 0. | 0. | 5. | 5. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 5. |
| 13 | 0. | 0. | 0. | 0. | 4. | 4. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 4. |
| 14 | 0. | 0. | 0. | 0. | 3. | 3. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 3. |
| 15 | 0. | 0. | 0. | 0. | 4. | 4. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 4. |
| 16 | 0. | 0. | 0. | 0. | 3. | 3. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 3. |
| 17 | 0. | 0. | 0. | 0. | 2. | 2. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 2. |
| 18 | 0. | 0. | 0. | 0. | 1. | 1. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. |
| 19 | 0. | 0. | 0. | 0. | 1. | 1. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 2. |
| 20 | 0. | 0. | 0. | 0. | 2. | 2. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 2. |
| 21 | 0. | 0. | 0. | 0. | 1. | 1. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. |
| 22 | 0. | 0. | 0. | 0. | 2. | 2. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 2. |
| 23 | 0. | 0. | 0. | 0. | 1. | 1. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. |
| 24 | 0. | 0. | 0. | 0. | 2. | 2. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 2. |
| 25 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 26 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 27 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 28 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 29 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 30 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 31 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 32 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 33 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 34 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 35 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| | 0. | 129. | 0. | 0. | 57. | 0. | 0. | 0. | 0. | 2. | 9. | 0. | 0. | 197. |

RETIRED POPULATION

0. 2093. 0. 2093.)---1

2093.

***** MARINE BASELINE WARRANT ---1 CATEGORY *****
 * FILENAME= HBMOTICAT BASELINE *
 * DATE= 12/16/83 TIME= 15:01:01 *

***** FLOW RECONCILIATION ***** CATEGORY= TOTAL FORCE *****

| | GRADE-1 | GRADE-2 | GRADE-3 | GRADE-4 | GRADE-5 | GRADE-6 | GRADE-7 | GRADE-8 | GRADE-9 | GRADE-10 | TOTAL |
|------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|-------|
| BEGIN STRENGTH | 392. | 448. | 195. | 254. | 0. | 0. | 0. | 0. | 0. | 0. | 1290. |
| *****LOSSES***** | | | | | | | | | | | |
| PROM-OUT | 195. | 52. | 43. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 290. |
| LOSS:XFR-OTH | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| LOSS:XFR-OFF | 0. | 129. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 129. |
| LOSS:DEATH | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| LOSS:RET-DIS | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| LOSS:RET-FC | 0. | 5. | 9. | 43. | 0. | 0. | 0. | 0. | 0. | 0. | 57. |
| LOSS:RET-VOL | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| LOSS:RET-INV | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| LOSS:OTH-DIS | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| LOSS:OTH-FC | 2. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 2. |
| LOSS:OTH-VOL | 0. | 8. | 1. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 9. |
| LOSS:OTH-INV | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| TOTAL LOSSES | 197. | 195. | 52. | 43. | 0. | 0. | 0. | 0. | 0. | 0. | 487. |
| *****GAINS***** | | | | | | | | | | | |
| GAINS TO | 197. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 197. |
| GAINS OTHER | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| PROM-IN | 0. | 195. | 52. | 43. | 0. | 0. | 0. | 0. | 0. | 0. | 290. |
| TOTAL GAINS | 197. | 195. | 52. | 43. | 0. | 0. | 0. | 0. | 0. | 0. | 487. |
| END STRENGTH | 392. | 448. | 195. | 254. | 0. | 0. | 0. | 0. | 0. | 0. | 1290. |

UNITED STATES COAST GUARD -- WARRANT OFFICER BASELINE FORCE

FILENAME= CBW01CAT BASELINE

DATE= 12/16/83

TIME= 15:02:48

***** TOTAL FORCE DISPLAY *****

| YOS | G:TC | G:OTH | GRD-1 | GRD-2 | GRD-3 | GRD-4 | GRD-5 | GRD-6 | GRD-7 | GRD-8 | GRD-9 | GRD10 | TOTAL LOSSES | LOSS | RETN | CONT |
|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------------|------|--------|--------|
| 1 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0.0 | 1.0000 | 1.0000 |
| 2 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0.0 | 1.0000 | 1.0000 |
| 3 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0.0 | 1.0000 | 1.0000 |
| 4 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0.0 | 1.0000 | 1.0000 |
| 5 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0.0 | 1.0000 | 1.0000 |
| 6 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0.0 | 1.0000 | 1.0000 |
| 7 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0.0 | 1.0000 | 1.0000 |
| 8 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0.0 | 1.0000 | 1.0000 |
| 9 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0.0 | 1.0000 | 1.0000 |
| 10 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0.0 | 1.0000 | 1.0000 |
| 11 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0.0 | 1.0000 | 1.0000 |
| 12 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0.0 | 1.0000 | 1.0000 |
| 13 | 3. | 3. | 0. | 3. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 3. | 0.0 | 1.0000 | 1.0000 |
| 14 | 14. | 14. | 0. | 17. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 17. | 1.0 | 0.0714 | 0.9286 |
| 15 | 11. | 11. | 0. | 27. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 27. | 1.0 | 0.0370 | 0.9630 |
| 16 | 23. | 23. | 0. | 46. | 3. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 49. | 1.0 | 0.0180 | 0.9820 |
| 17 | 20. | 20. | 0. | 62. | 6. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 68. | 3.0 | 0.0440 | 0.9560 |
| 18 | 20. | 20. | 0. | 75. | 10. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 85. | 3.0 | 0.0350 | 0.9650 |
| 19 | 25. | 25. | 0. | 87. | 20. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 107. | 3.0 | 0.0281 | 0.9719 |
| 20 | 34. | 34. | 0. | 107. | 31. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 138. | 9.0 | 0.0653 | 0.9347 |
| 21 | 16. | 16. | 0. | 110. | 35. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 145. | 11.0 | 0.0759 | 0.9241 |
| 22 | 0. | 0. | 0. | 79. | 55. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 134. | 33.0 | 0.2463 | 0.7537 |
| 23 | 0. | 0. | 0. | 50. | 48. | 3. | 0. | 0. | 0. | 0. | 0. | 0. | 101. | 18.0 | 0.1783 | 0.8217 |
| 24 | 0. | 0. | 0. | 30. | 44. | 9. | 0. | 0. | 0. | 0. | 0. | 0. | 83. | 13.0 | 0.1566 | 0.8434 |
| 25 | 0. | 0. | 0. | 20. | 39. | 11. | 0. | 0. | 0. | 0. | 0. | 0. | 70. | 4.0 | 0.0428 | 0.9572 |
| 26 | 0. | 0. | 0. | 15. | 34. | 18. | 0. | 0. | 0. | 0. | 0. | 0. | 67. | 4.0 | 0.0597 | 0.9403 |
| 27 | 0. | 0. | 0. | 11. | 30. | 22. | 0. | 0. | 0. | 0. | 0. | 0. | 63. | 6.0 | 0.0953 | 0.9047 |
| 28 | 0. | 0. | 0. | 7. | 26. | 24. | 0. | 0. | 0. | 0. | 0. | 0. | 57. | 4.0 | 0.0702 | 0.9298 |
| 29 | 0. | 0. | 0. | 5. | 22. | 26. | 0. | 0. | 0. | 0. | 0. | 0. | 53. | 1.0 | 0.0189 | 0.9811 |
| 30 | 0. | 0. | 0. | 4. | 18. | 30. | 0. | 0. | 0. | 0. | 0. | 0. | 52. | 2.0 | 0.0385 | 0.9615 |
| 31 | 0. | 0. | 0. | 2. | 14. | 34. | 0. | 0. | 0. | 0. | 0. | 0. | 50. | 19.0 | 0.3800 | 0.6200 |
| 32 | 0. | 0. | 0. | 1. | 7. | 23. | 0. | 0. | 0. | 0. | 0. | 0. | 31. | 10.0 | 0.3226 | 0.6774 |
| 33 | 0. | 0. | 0. | 1. | 4. | 16. | 0. | 0. | 0. | 0. | 0. | 0. | 21. | 7.0 | 0.3333 | 0.6667 |
| 34 | 0. | 0. | 0. | 0. | 3. | 10. | 0. | 0. | 0. | 0. | 0. | 0. | 14. | 9.0 | 0.6429 | 0.3571 |
| 35 | 0. | 0. | 0. | 0. | 0. | 5. | 0. | 0. | 0. | 0. | 0. | 0. | 5. | 5.0 | 1.0000 | 0.0000 |

TOT 166. 0. 760. 449. 231. 0. 0. 0. 0. 0. 0. 0. 0. 1440. 166. 0.1153 0.8847 8.6722
AVERAGE YOS 0.50 19.68 23.78 28.86 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 22.43
PRODUCTIVITY 0. 760. 449. 231. 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1440.

***** UNITED STATES COAST GUARD -- WARRANT OFFICER BASELINE FORCE *****
 * * * FILENAME= CBWDICAT BASELINE DATE= 12/16/83 TIME= 15:02:48 * * *

***** TOTAL FORCE LOSS DISPLAY *****

| YR | XFROTH | XFROFF | DEATH | RETDIS | RET | FC | RETVOL | RETIW | OTHDIS | OTH | FC | OTHVOL | OTHINV | PROMOUT | TOTALS |
|----|--------|--------|-------|--------|-----|----|--------|-------|--------|-----|----|--------|--------|---------|--------|
| 1 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 2 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 3 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 4 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 5 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 6 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 7 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 8 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 9 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 10 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 11 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 12 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 13 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 14 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 15 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 16 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 17 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 18 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 19 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 20 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 21 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 22 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 23 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 24 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 25 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 26 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 27 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 28 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 29 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 30 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 31 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 32 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 33 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 34 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 35 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |

RETIRED POPULATION 115. 4290. 0. 0. 4405.

 * UN-ITED STATES COAST GUAR.) -- WARRANT OFFICER BASELINE FORCE
 *
 * FILENAME= CBMOICAT BASELINE DATE= 12/16/83 TIME= 15:02:53
 *

 * CATEGORY= TOTAL FORCE

 * FLOW RECONCILIATION

| | GRADE-1 | GRADE-2 | GRADE-3 | GRADE-4 | GRADE-5 | GRADE-6 | GRADE-7 | GRADE-8 | GRADE-9 | GRADE-10 | TOTAL |
|------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|-------|
| BEGIN STRENGTH | 0. | 760. | 449. | 231. | 0. | 0. | 0. | 0. | 0. | 0. | 1440. |
| *****LOSSES***** | | | | | | | | | | | |
| PROM-OUT | 0. | 67. | 43. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 110. |
| LOSS:XFR-OTH | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| LOSS:XFR-OFF | 0. | 18. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 18. |
| LOSS:DEATH | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. |
| LOSS:RET-DIS | 0. | 0. | 3. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 3. |
| LOSS:RET-FC | 0. | 75. | 20. | 43. | 0. | 0. | 0. | 0. | 0. | 0. | 138. |
| LOSS:RET-VOL | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| LOSS:RET-INV | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| LOSS:GTH-DIS | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| LOSS:GTH-FC | 0. | 6. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 6. |
| LOSS:OTH-VOL | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| LOSS:OTH-INV | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| TOTAL LOSSES | 0. | 166. | 67. | 43. | 0. | 0. | 0. | 0. | 0. | 0. | 276. |
| *****GAINS***** | | | | | | | | | | | |
| GAINS TO | 0. | 166. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 166. |
| GAINS OTHER | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| PROM-IN | 0. | 0. | 67. | 43. | 0. | 0. | 0. | 0. | 0. | 0. | 110. |
| TOTAL GAINS | 0. | 166. | 67. | 43. | 0. | 0. | 0. | 0. | 0. | 0. | 276. |
| END STRENGTH | 0. | 760. | 449. | 231. | 0. | 0. | 0. | 0. | 0. | 0. | 1440. |

 * ARMY BASELINE ENLISTED --9 CATEGORIES
 * FILENAME= ABEG9CAT BASELINE
 * DATE= 12/16/83 TIME= 14:58:23
 *

 ***** TOTAL FORCE DISPLAY *****

| YOS | G: TO | G: OTH | GRD-1 | GRD-2 | GRD-3 | GRD-4 | GRD-5 | GRD-6 | GRD-7 | GRD-8 | GRD-9 | GRD10 | TOTAL LOSSES | LOSS | RETN | CONT | |
|-----|---------|--------|-------|-------|---------|--------|--------|--------|-------|-------|-------|-------|--------------|------|--------|--------|--------|
| 1 | 124342. | 0. | 0. | 0. | 123420. | 921. | 0. | 0. | 0. | 0. | 0. | 0. | 124342. | 0. | 1321. | 0.8679 | 1.0000 |
| 2 | 327. | 0. | 0. | 0. | 56082. | 52162. | 0. | 0. | 0. | 0. | 0. | 0. | 15123. | 0. | 1397 | 0.8603 | 0.8679 |
| 3 | 776. | 0. | 0. | 0. | 20293. | 70755. | 2849. | 0. | 0. | 0. | 0. | 0. | 93898. | 0. | 4102 | 0.5898 | 0.7467 |
| 4 | 136. | 0. | 0. | 0. | 0. | 43073. | 12439. | 0. | 0. | 0. | 0. | 0. | 55513. | 0. | 3525 | 0.6475 | 0.4403 |
| 5 | 144. | 0. | 0. | 0. | 0. | 17235. | 18854. | 0. | 0. | 0. | 0. | 0. | 3850. | 0. | 1067 | 0.8933 | 0.2851 |
| 6 | 10. | 0. | 0. | 0. | 0. | 9729. | 21869. | 652. | 0. | 0. | 0. | 0. | 32249. | 0. | 1430 | 0.8370 | 0.2547 |
| 7 | 12. | 0. | 0. | 0. | 0. | 4390. | 19458. | 3785. | 17. | 0. | 0. | 0. | 27650. | 0. | 1204 | 0.8796 | 0.2183 |
| 8 | 23. | 0. | 0. | 0. | 0. | 1644. | 14774. | 7884. | 43. | 0. | 0. | 0. | 24345. | 0. | 1287 | 0.8713 | 0.1920 |
| 9 | 22. | 0. | 0. | 0. | 0. | 1068. | 9632. | 10459. | 66. | 8. | 0. | 0. | 21233. | 0. | 1146 | 0.8854 | 0.1673 |
| 10 | 20. | 0. | 0. | 0. | 0. | 662. | 6510. | 11156. | 474. | 19. | 0. | 0. | 18821. | 0. | 1150 | 0.8850 | 0.1481 |
| 11 | 0. | 0. | 0. | 0. | 0. | 0. | 4829. | 10685. | 1098. | 44. | 1. | 0. | 16657. | 0. | 0.0803 | 0.9197 | 0.1311 |
| 12 | 1. | 0. | 0. | 0. | 0. | 0. | 4108. | 9118. | 2019. | 74. | 1. | 0. | 15320. | 0. | 0.0541 | 0.9459 | 0.1206 |
| 13 | 4. | 0. | 0. | 0. | 0. | 0. | 3587. | 7142. | 3660. | 103. | 4. | 0. | 14495. | 0. | 0.1465 | 0.8515 | 0.1141 |
| 14 | 2. | 0. | 0. | 0. | 0. | 0. | 1346. | 5467. | 5388. | 136. | 8. | 0. | 12345. | 0. | 0.0791 | 0.9209 | 0.0971 |
| 15 | 3. | 0. | 0. | 0. | 0. | 0. | 628. | 4207. | 6320. | 204. | 13. | 0. | 11372. | 0. | 0.0501 | 0.9499 | 0.0894 |
| 16 | 1. | 0. | 0. | 0. | 0. | 0. | 368. | 3213. | 6757. | 444. | 21. | 0. | 10803. | 0. | 0.0214 | 0.9786 | 0.0850 |
| 17 | 4. | 0. | 0. | 0. | 0. | 0. | 330. | 2656. | 6781. | 780. | 29. | 0. | 10576. | 0. | 0.0174 | 0.9826 | 0.0831 |
| 18 | 0. | 0. | 0. | 0. | 0. | 0. | 293. | 2468. | 6344. | 1251. | 36. | 0. | 10393. | 0. | 0.0235 | 0.9765 | 0.0817 |
| 19 | 0. | 0. | 0. | 0. | 0. | 0. | 270. | 2379. | 5667. | 1789. | 43. | 0. | 10148. | 0. | 0.0221 | 0.9779 | 0.0798 |
| 20 | 0. | 0. | 0. | 0. | 0. | 0. | 264. | 2283. | 4740. | 2587. | 50. | 0. | 9925. | 0. | 0.5331 | 0.4669 | 0.0780 |
| 21 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 714. | 1542. | 2256. | 120. | 0. | 4633. | 0. | 0.3736 | 0.6264 | 0.0364 |
| 22 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 182. | 628. | 1877. | 216. | 0. | 2903. | 0. | 0.2897 | 0.7103 | 0.0228 |
| 23 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 59. | 211. | 1274. | 518. | 0. | 2062. | 0. | 0.2376 | 0.7624 | 0.0162 |
| 24 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 97. | 903. | 572. | 0. | 1572. | 0. | 0.2341 | 0.7659 | 0.0124 |
| 25 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 46. | 591. | 567. | 0. | 1204. | 0. | 0.1553 | 0.8447 | 0.0095 |
| 26 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 25. | 472. | 520. | 0. | 1017. | 0. | 0.2242 | 0.7758 | 0.0080 |
| 27 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 368. | 421. | 0. | 789. | 0. | 0.2890 | 0.7110 | 0.0062 |
| 28 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 228. | 333. | 0. | 561. | 0. | 0.2210 | 0.7790 | 0.0044 |
| 29 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 151. | 286. | 0. | 437. | 0. | 0.0801 | 0.9199 | 0.0034 |
| 30 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 95. | 307. | 0. | 402. | 0. | 1.0000 | 0.0000 | 0.0032 |
| 31 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0.0 | 1.0000 | 0.0000 |
| 32 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0.0 | 1.0000 | 0.0000 |
| 33 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0.0 | 1.0000 | 0.0000 |
| 34 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0.0 | 1.0000 | 0.0000 |
| 35 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0.0 | 1.0000 | 0.0000 |

TOT 125827. 0. 0. 199796.201640. 122408. 84511. 51924.15655. 4065. 0. 679995.125827. 0.1850 0.8150 5.4042
 AVERAGE YOS 0.0 0.0 0.98 2.94 6.81 11.46 15.97 20.38 24.76 0.0 5.65
 PRODUCTIVITY 0.0 0.0 24167.115451.117873. 84511. 51924.15655. 4065. 0. 413646.

 * ARMY BASELINE ENLISTED --9 CATEGORIES
 *
 * FILENAME= ABE09CAT BASELINE
 *
 * DATE= 12/16/83 TIME= 14:58:23

***** TOTAL FORCE LOSS DISPLAY *****

| YR | XERO TH | XEROFF | DEATH | RETDIS | RET FC | RETVOL | RETINV | OTHDIS | OTH FC | OTHVOL | OTRINV | PROMOUT | TOTALS |
|----|---------|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|
| 1 | 0. | 23. | 70. | 85. | 0. | 0. | 0. | 387. | 1363. | 485. | 14011. | 0. | 16424. |
| 2 | 0. | 97. | 304. | 232. | 0. | 0. | 0. | 96. | 1438. | 2720. | 10235. | 0. | 15123. |
| 3 | 0. | 41. | 223. | 403. | 0. | 0. | 0. | 20. | 31341. | 1958. | 4535. | 0. | 3821. |
| 4 | 0. | 36. | 45. | 112. | 0. | 0. | 0. | 4. | 17097. | 583. | 1691. | 0. | 19567. |
| 5 | 0. | 49. | 30. | 43. | 0. | 0. | 0. | 1. | 2659. | 186. | 882. | 0. | 3850. |
| 6 | 0. | 65. | 60. | 97. | 0. | 0. | 0. | 4. | 1608. | 263. | 2508. | 0. | 4611. |
| 7 | 0. | 87. | 30. | 44. | 0. | 0. | 0. | 5. | 53. | 117. | 2997. | 0. | 3329. |
| 8 | 0. | 97. | 43. | 97. | 0. | 0. | 0. | 5. | 60. | 146. | 2685. | 0. | 3133. |
| 9 | 0. | 90. | 31. | 65. | 0. | 0. | 0. | 0. | 54. | 122. | 2071. | 0. | 2432. |
| 10 | 0. | 140. | 30. | 53. | 0. | 0. | 0. | 0. | 666. | 54. | 1221. | 0. | 2164. |
| 11 | 0. | 99. | 39. | 80. | 0. | 0. | 0. | 0. | 24. | 52. | 1044. | 0. | 1338. |
| 12 | 0. | 71. | 22. | 31. | 0. | 0. | 0. | 0. | 25. | 36. | 644. | 0. | 829. |
| 13 | 0. | 74. | 50. | 200. | 0. | 0. | 0. | 0. | 44. | 64. | 1720. | 0. | 2152. |
| 14 | 0. | 91. | 30. | 111. | 0. | 0. | 0. | 0. | 9. | 24. | 711. | 0. | 976. |
| 15 | 0. | 40. | 13. | 93. | 0. | 0. | 0. | 0. | 23. | 19. | 382. | 0. | 570. |
| 16 | 0. | 38. | 8. | 48. | 0. | 0. | 0. | 0. | 5. | 3. | 129. | 0. | 231. |
| 17 | 0. | 19. | 23. | 34. | 0. | 0. | 0. | 0. | 1. | 0. | 107. | 0. | 184. |
| 18 | 0. | 9. | 56. | 46. | 0. | 0. | 0. | 0. | 18. | 0. | 115. | 0. | 244. |
| 19 | 0. | 4. | 21. | 83. | 0. | 0. | 0. | 0. | 1. | 0. | 115. | 0. | 224. |
| 20 | 0. | 0. | 7. | 148. | 5136. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 5291. |
| 21 | 0. | 0. | 0. | 56. | 1673. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1731. |
| 22 | 0. | 0. | 3. | 29. | 809. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 821. |
| 23 | 0. | 0. | 4. | 17. | 469. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 490. |
| 24 | 0. | 0. | 4. | 16. | 348. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 368. |
| 25 | 0. | 0. | 0. | 8. | 179. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 187. |
| 26 | 0. | 0. | 10. | 15. | 203. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 228. |
| 27 | 0. | 0. | 7. | 7. | 121. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 228. |
| 28 | 0. | 0. | 1. | 2. | 121. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 124. |
| 29 | 0. | 0. | 0. | 0. | 35. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 35. |
| 30 | 0. | 0. | 1. | 14. | 387. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 402. |
| 31 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 32 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 33 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 34 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 35 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| | 0. | 1170. | 1161. | 2269. | 9581. | 0. | 0. | 517. | 56488. | 6837. | 47803. | 0. | 125827. |

RETIRED POPULATION 99214. 319688. 0. 0. 517. 56488. 6837. 47803. 0. 125827. 418902.

 * ARMY BASELINE ENLISTED --9 CATEGORIES
 * FILENAME= ABEO9CAT BASELINE
 * DATE= 12/16/83 TIME= 14:58:24

***** CATEGORY= TOTAL FORCE *****

| ***** FLOW RECONCILIATION ***** | | | | | | | | | | |
|---------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------------|
| BEGIN STRENGTH | GRADE-1 | GRADE-2 | GRADE-3 | GRADE-4 | GRADE-5 | GRADE-6 | GRADE-7 | GRADE-8 | GRADE-9 | GRADE-10 TOTAL |
| 0. | 0. | 0. | 199796. | 201640. | 122408. | 84511. | 51924. | 15655. | 4065. | 0. 679998. |
| *****LOSSES***** | | | | | | | | | | |
| PROM-OUT | 0. | 0. | 79303. | 35762. | 18670. | 10261. | 4840. | 1026. | 0. | 149863. |
| LOSS:XFR-OTH | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| LOSS:XFR-OFF | 0. | 0. | 85. | 69. | 186. | 466. | 342. | 2. | 0. | 0. |
| LOSS:DEATH | 0. | 0. | 181. | 467. | 154. | 179. | 140. | 31. | 0. | 1170. |
| LOSS:RET-DIS | 0. | 0. | 314. | 563. | 301. | 430. | 468. | 158. | 9. | 1161. |
| LOSS:RET-FC | 0. | 0. | 0. | 0. | 261. | 1532. | 3275. | 3532. | 35. | 2269. |
| LOSS:RET-VOL | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 9581. |
| LOSS:RET-INV | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| LOSS:OTH-DIS | 0. | 0. | 429. | 82. | 2. | 5. | 0. | 0. | 0. | 0. |
| LOSS:OTH-FC | 0. | 0. | 21590. | 28125. | 6611. | 121. | 41. | 0. | 0. | 517. |
| LOSS:OTH-VOL | 0. | 0. | 1275. | 4272. | 905. | 311. | 74. | 0. | 0. | 56488. |
| LOSS:OTH-INV | 0. | 0. | 24075. | 11122. | 9050. | 5381. | 1083. | 92. | 0. | 6837. |
| TOTAL LOSSES | 0. | 0. | 124251. | 80482. | 36141. | 18686. | 10263. | 4841. | 1026. | 47803. |
| *****GAINS***** | | | | | | | | | | |
| GAINS TO | 0. | 0. | 124251. | 1179. | 379. | 16. | 1. | 0. | 0. | 125827. |
| GAINS OTHER | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| PROM-IN | 0. | 0. | 0. | 79303. | 35762. | 18670. | 10261. | 4840. | 1026. | 149863. |
| TOTAL GAINS | 0. | 0. | 124251. | 80482. | 36141. | 18686. | 10262. | 4840. | 1026. | 275689. |
| END STRENGTH | 0. | 0. | 199796. | 201640. | 122408. | 84510. | 51924. | 15654. | 4065. | 0. 679998. |

* NAVY ENLISTED BASELINE *
* FILENAME= NBED9CAT BASELINE *

DATE= 12/16/83 TIME= 14:58:41

***** TOTAL FORCE DISPLAY *****

| YOS | G:TO | G:OTH | GRD-1 | GRD-2 | GRD-3 | GRD-4 | GRD-5 | GRD-6 | GRD-7 | GRD-8 | GRD-9 | GRD10 | TOTAL LOSSES | LOSS | RETN | CONT | |
|-----|--------|-------|-------|-------|--------|--------|--------|-------|-------|-------|-------|-------|--------------|--------|--------|--------|--------|
| 1 | 70048. | 0. | 0. | 0. | 70048. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 70048. | 7449. | 0.1063 | 0.8931 | 1.0000 |
| 2 | 0. | 0. | 0. | 0. | 50577. | 12022. | 0. | 0. | 0. | 0. | 0. | 0. | 62599. | 5704. | 0.0911 | 0.9089 | 0.8937 |
| 3 | 0. | 0. | 0. | 0. | 28600. | 25709. | 2587. | 0. | 0. | 0. | 0. | 0. | 56896. | 8087. | 0.1421 | 0.8579 | 0.8122 |
| 4 | 4. | 0. | 0. | 0. | 8014. | 32990. | 7809. | 0. | 0. | 0. | 0. | 0. | 48813. | 18796. | 0.3851 | 0.6149 | 0.6968 |
| 5 | 9. | 0. | 0. | 0. | 0. | 17054. | 12971. | 0. | 0. | 0. | 0. | 0. | 30026. | 6110. | 0.2035 | 0.7965 | 0.4285 |
| 6 | 39. | 0. | 0. | 0. | 0. | 8624. | 13452. | 1879. | 0. | 0. | 0. | 0. | 23955. | 3627. | 0.1514 | 0.8486 | 0.3413 |
| 7 | 59. | 0. | 0. | 0. | 0. | 4148. | 10975. | 5263. | 0. | 0. | 0. | 0. | 20386. | 2280. | 0.1118 | 0.8882 | 0.2896 |
| 8 | 26. | 0. | 0. | 0. | 0. | 1544. | 10799. | 5789. | 0. | 0. | 0. | 0. | 18133. | 2262. | 0.1248 | 0.8752 | 0.2572 |
| 9 | 20. | 0. | 0. | 0. | 0. | 430. | 9118. | 6033. | 310. | 0. | 0. | 0. | 15890. | 1538. | 0.0968 | 0.9032 | 0.2251 |
| 10 | 20. | 0. | 0. | 0. | 0. | 0. | 7982. | 5462. | 929. | 0. | 0. | 0. | 14373. | 1595. | 0.1110 | 0.8890 | 0.2033 |
| 11 | 22. | 0. | 0. | 0. | 0. | 0. | 6131. | 4831. | 1838. | 0. | 0. | 0. | 12800. | 920. | 0.0719 | 0.9281 | 0.1808 |
| 12 | 27. | 0. | 0. | 0. | 0. | 0. | 4672. | 5211. | 2010. | 14. | 0. | 0. | 11907. | 792. | 0.0665 | 0.9335 | 0.1678 |
| 13 | 32. | 0. | 0. | 0. | 0. | 0. | 3272. | 5592. | 2228. | 54. | 0. | 0. | 11147. | 407. | 0.0365 | 0.9635 | 0.1566 |
| 14 | 33. | 0. | 0. | 0. | 0. | 0. | 2205. | 6026. | 2428. | 114. | 0. | 0. | 10773. | 352. | 0.0327 | 0.9673 | 0.1509 |
| 15 | 28. | 0. | 0. | 0. | 0. | 0. | 1315. | 6227. | 2716. | 189. | 2. | 0. | 10449. | 308. | 0.0295 | 0.9705 | 0.1460 |
| 16 | 19. | 0. | 0. | 0. | 0. | 0. | 698. | 6078. | 3097. | 278. | 9. | 0. | 10160. | 299. | 0.0294 | 0.9706 | 0.1417 |
| 17 | 10. | 0. | 0. | 0. | 0. | 0. | 320. | 5596. | 3399. | 528. | 28. | 0. | 9871. | 206. | 0.0209 | 0.9791 | 0.1375 |
| 18 | 4. | 0. | 0. | 0. | 0. | 0. | 133. | 4926. | 3718. | 826. | 66. | 0. | 9669. | 276. | 0.0286 | 0.9714 | 0.1346 |
| 19 | 4. | 0. | 0. | 0. | 0. | 0. | 0. | 4170. | 3943. | 1141. | 143. | 0. | 9397. | 1739. | 0.1851 | 0.8149 | 0.1308 |
| 20 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 2684. | 3428. | 1315. | 230. | 0. | 7658. | 3532. | 0.4613 | 0.5387 | 0.1066 |
| 21 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 807. | 1896. | 1100. | 322. | 0. | 4125. | 1350. | 0.3274 | 0.6726 | 0.0574 |
| 22 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 339. | 1163. | 932. | 341. | 0. | 2775. | 846. | 0.3051 | 0.6949 | 0.0386 |
| 23 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 153. | 699. | 744. | 332. | 0. | 1928. | 493. | 0.2555 | 0.7445 | 0.0268 |
| 24 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 70. | 417. | 600. | 349. | 0. | 1436. | 317. | 0.2206 | 0.7794 | 0.0200 |
| 25 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 34. | 247. | 464. | 374. | 0. | 1119. | 198. | 0.1768 | 0.8232 | 0.0156 |
| 26 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 15. | 145. | 345. | 416. | 0. | 921. | 221. | 0.2397 | 0.7603 | 0.0128 |
| 27 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 5. | 69. | 220. | 406. | 0. | 700. | 149. | 0.2125 | 0.7875 | 0.0097 |
| 28 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | 32. | 128. | 391. | 0. | 551. | 70. | 0.1268 | 0.8732 | 0.0077 |
| 29 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 18. | 75. | 389. | 0. | 482. | 104. | 0.2157 | 0.7843 | 0.0067 |
| 30 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 7. | 38. | 333. | 0. | 378. | 220. | 0.5821 | 0.4179 | 0.0053 |
| 31 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 12. | 146. | 0. | 158. | 92. | 0.5822 | 0.4178 | 0.0022 |
| 32 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 6. | 60. | 0. | 66. | 36. | 0.5453 | 0.4547 | 0.0009 |
| 33 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 2. | 28. | 0. | 30. | 3. | 0.1001 | 0.8999 | 0.0004 |
| 34 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 27. | 0. | 27. | 6. | 0.2222 | 0.7778 | 0.0004 |
| 35 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 21. | 0. | 21. | 21. | 1.0000 | 0.0000 | 0.0003 |

| | | | | | | | | | | | | | | | | | |
|--------------|--------|-----|-----|-----|---------|---------|--------|--------|--------|-------|-------|-----|---------|--------|--------|--------|---------|
| TOT | 70404. | 0. | 0. | 0. | 157238. | 102521. | 94439. | 77192. | 34739. | 9124. | 4412. | 0. | 479662. | 70404. | 0.1468 | 0.8532 | 6.8130 |
| AVERAGE YOS | | 0.0 | 0.0 | 0.0 | 1.34 | 3.55 | 7.39 | 12.64 | 16.28 | 20.40 | 24.83 | 0.0 | | | | | 6.48 |
| PRODUCTIVITY | | 0.0 | 0.0 | 0.0 | 32955. | 72403. | 91193. | 77192. | 34739. | 9124. | 4412. | 0. | | | | | 322016. |

***** NAVY ENLISTED BASELINE FORCE *****
 * * * FILENAME= NBE09CAT BASELINE * * *
 * * * DATE= 12/16/83 TIME= 14:58:42 * * *

***** TOTAL FORCE 105S DISPLAY *****

| YR | XFROTH | XFROFF | DEATH | RETDIS | RET FC | RETVOL | RETINV | OTHVOLS | OTH FC | OTHVOL | OTHINV | PROMOUT | TOTALS |
|----|--------|--------|-------|--------|--------|--------|--------|---------|--------|--------|--------|---------|--------|
| 1 | 0. | 548. | 49. | 0. | 0. | 0. | 0. | 0. | 0. | 7. | 6845. | 0. | 7449. |
| 2 | 0. | 488. | 59. | 33. | 0. | 0. | 0. | 0. | 0. | 7. | 5117. | 0. | 5704. |
| 3 | 0. | 324. | 31. | 67. | 0. | 0. | 0. | 0. | 3702. | 6. | 3957. | 0. | 8087. |
| 4 | 0. | 202. | 89. | 43. | 0. | 0. | 0. | 0. | 14181. | 5. | 4276. | 0. | 18796. |
| 5 | 0. | 80. | 28. | 46. | 0. | 0. | 0. | 0. | 4648. | 3. | 1306. | 0. | 6110. |
| 6 | 0. | 69. | 22. | 51. | 0. | 0. | 0. | 0. | 2831. | 2. | 652. | 0. | 3627. |
| 7 | 0. | 45. | 17. | 48. | 0. | 0. | 0. | 0. | 1782. | 2. | 386. | 0. | 2280. |
| 8 | 0. | 41. | 15. | 32. | 0. | 0. | 0. | 0. | 1872. | 1. | 301. | 0. | 2262. |
| 9 | 0. | 32. | 13. | 22. | 0. | 0. | 0. | 0. | 1002. | 1. | 469. | 0. | 1538. |
| 10 | 0. | 34. | 11. | 28. | 0. | 0. | 0. | 0. | 1148. | 1. | 373. | 0. | 1595. |
| 11 | 0. | 36. | 9. | 41. | 0. | 0. | 0. | 0. | 579. | 6. | 249. | 0. | 920. |
| 12 | 0. | 25. | 10. | 32. | 0. | 0. | 0. | 0. | 565. | 1. | 160. | 0. | 792. |
| 13 | 0. | 63. | 10. | 6. | 0. | 0. | 0. | 0. | 168. | 1. | 158. | 0. | 407. |
| 14 | 0. | 70. | 7. | 14. | 0. | 0. | 0. | 0. | 111. | 1. | 149. | 0. | 352. |
| 15 | 0. | 65. | 7. | 16. | 0. | 0. | 0. | 0. | 68. | 1. | 151. | 0. | 308. |
| 16 | 0. | 57. | 8. | 20. | 0. | 0. | 0. | 0. | 104. | 1. | 109. | 0. | 299. |
| 17 | 0. | 53. | 8. | 3. | 0. | 0. | 0. | 0. | 54. | 2. | 86. | 0. | 206. |
| 18 | 0. | 71. | 6. | 13. | 2. | 0. | 0. | 0. | 91. | 1. | 90. | 0. | 276. |
| 19 | 0. | 52. | 5. | 11. | 1473. | 0. | 0. | 0. | 110. | 1. | 68. | 0. | 1739. |
| 20 | 0. | 29. | 1. | 89. | 3161. | 0. | 0. | 0. | 103. | 0. | 122. | 0. | 3532. |
| 21 | 0. | 19. | 1. | 345. | 918. | 0. | 0. | 0. | 0. | 0. | 57. | 0. | 1350. |
| 22 | 0. | 11. | 0. | 40. | 753. | 0. | 0. | 0. | 0. | 0. | 34. | 0. | 846. |
| 23 | 0. | 4. | 0. | 31. | 429. | 0. | 0. | 0. | 0. | 0. | 21. | 0. | 493. |
| 24 | 0. | 1. | 0. | 17. | 282. | 0. | 0. | 0. | 0. | 0. | 14. | 0. | 317. |
| 25 | 0. | 0. | 0. | 7. | 180. | 0. | 0. | 0. | 0. | 0. | 10. | 0. | 198. |
| 26 | 0. | 0. | 0. | 5. | 205. | 0. | 0. | 0. | 0. | 0. | 11. | 0. | 221. |
| 27 | 0. | 0. | 0. | 7. | 130. | 0. | 0. | 0. | 0. | 0. | 12. | 0. | 149. |
| 28 | 0. | 0. | 0. | 5. | 58. | 0. | 0. | 0. | 0. | 0. | 7. | 0. | 70. |
| 29 | 0. | 0. | 0. | 4. | 98. | 0. | 0. | 0. | 0. | 0. | 2. | 0. | 104. |
| 30 | 0. | 0. | 0. | 4. | 209. | 0. | 0. | 0. | 0. | 1. | 6. | 0. | 220. |
| 31 | 0. | 0. | 0. | 17. | 75. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 92. |
| 32 | 0. | 0. | 0. | 0. | 36. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 36. |
| 33 | 0. | 0. | 0. | 0. | 3. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 3. |
| 34 | 0. | 0. | 0. | 0. | 5. | 0. | 0. | 0. | 0. | 1. | 0. | 0. | 6. |
| 35 | 0. | 0. | 0. | 0. | 21. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 21. |
| | | | | | | | | | | | | | |
| 0. | 2491. | 412. | 1096. | 8038. | 0. | 0. | 0. | 0. | 33120. | 51. | 25197. | 0. | 70404. |

RETIRED POPULATION 42854. 267791. 0. 310645.

NAVY ENLISTED BASELINE FORCE

FILENAME= NBEO9CAT BASELINE

DATE= 12/16/83 TIME= 14:58:42

***** FLOW RECONCILIATION *****

CATEGORY= TOTAL FORCE *****

| GRADE-1 | GRADE-2 | GRADE-3 | GRADE-4 | GRADE-5 | GRADE-6 | GRADE-7 | GRADE-8 | GRADE-9 | GRADE-10 | TOTAL | |
|------------------|---------|---------|---------|---------|---------|---------|---------|---------|----------|-------|---------|
| BEGIN STR. | 0. | 0. | 157238. | 102521. | 94439. | 77192. | 34739. | 9124. | 4412. | 0. | 479665. |
| *****LOSSES***** | | | | | | | | | | | |
| PROM-OUT | 0. | 0. | 44969. | 24234. | 12854. | 6900. | 2754. | 1054. | 0. | 0. | 92765. |
| LOSS:XFR-OTH | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| LOSS:XFR-OFF | 0. | 0. | 1228. | 306. | 232. | 191. | 470. | 64. | 0. | 0. | 2491. |
| LOSS:DEATH | 0. | 0. | 148. | 104. | 75. | 62. | 24. | 0. | 0. | 0. | 412. |
| LOSS:RET-DIS | 0. | 0. | 77. | 146. | 175. | 365. | 227. | 64. | 42. | 0. | 1096. |
| LOSS:RET-FC | 0. | 0. | 0. | 0. | 0. | 2674. | 2957. | 1433. | 974. | 0. | 8038. |
| LOSS:RET-VOL | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| LOSS:RET-INV | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| LOSS:OTH-DIS | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| LOSS:OTH-FC | 0. | 0. | 5046. | 17397. | 9220. | 1330. | 103. | 23. | 1. | 0. | 33120. |
| LOSS:OTH-VOL | 0. | 0. | 16. | 11. | 10. | 4. | 7. | 3. | 1. | 0. | 51. |
| LOSS:OTH-INV | 0. | 0. | 18564. | 2772. | 1709. | 1645. | 358. | 113. | 35. | 0. | 25197. |
| TOTAL LOSSES | 0. | 0. | 70048. | 44969. | 24274. | 13170. | 6900. | 2754. | 1054. | 0. | 163169. |
| *****GAINS***** | | | | | | | | | | | |
| GAINS TO | 0. | 0. | 70048. | 0. | 40. | 316. | 0. | 0. | 0. | 0. | 70404. |
| GAINS OTHER | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| PROM-IN | 0. | 0. | 0. | 44969. | 24234. | 12854. | 6900. | 2754. | 1054. | 0. | 92765. |
| TOTAL GAINS | 0. | 0. | 70048. | 44969. | 24274. | 13170. | 6900. | 2754. | 1054. | 0. | 163169. |
| END STRENGTH | 0. | 0. | 157238. | 102521. | 94439. | 77192. | 34739. | 9124. | 4412. | 0. | 479665. |

 *
 * FILENAME= MBEO9CAT BASELINE
 * USMC ENLISTED BASELINE FORCE (00 - 09 CAT)
 * DATE= 12/16/83 TIME= 14:59:22

***** TOTAL FORCE DISPLAY *****

| YOS | G: TO | G: OTH | GRD-1 | GRD-2 | GRD-3 | GRD-4 | GRD-5 | GRD-6 | GRD-7 | GRD-8 | GRD-9 | GRD10 | TOTAL LOSSES | LOSS | RETN | CONT | |
|-----|--------|--------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|--------------|-------|--------|--------|--------|
| 1 | 26180. | 0. | 0. | 0. | 26180. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 26180. | 303. | 0.0116 | 0.9884 | 1.0000 |
| 2 | 0. | 0. | 0. | 0. | 22655. | 2927. | 0. | 0. | 0. | 0. | 0. | 0. | 25582. | 1112. | 0.0435 | 0.9565 | 0.9884 |
| 3 | 0. | 0. | 0. | 0. | 15341. | 8957. | 0. | 0. | 0. | 0. | 0. | 0. | 24298. | 2572. | 0.1059 | 0.8941 | 0.9455 |
| 4 | 0. | 0. | 0. | 0. | 10944. | 9686. | 801. | 0. | 0. | 0. | 0. | 0. | 21433. | 2995. | 0.1397 | 0.8603 | 0.8454 |
| 5 | 0. | 0. | 0. | 0. | 8059. | 5894. | 4289. | 0. | 0. | 0. | 0. | 0. | 18242. | 4947. | 0.2712 | 0.7288 | 0.7272 |
| 6 | 0. | 0. | 0. | 0. | 3053. | 2700. | 6154. | 0. | 0. | 0. | 0. | 0. | 11907. | 1280. | 0.1075 | 0.8925 | 0.5300 |
| 7 | 0. | 0. | 0. | 0. | 2504. | 1207. | 6916. | 0. | 0. | 0. | 0. | 0. | 10627. | 2720. | 0.2559 | 0.7441 | 0.4731 |
| 8 | 0. | 0. | 0. | 0. | 1786. | 558. | 3864. | 1699. | 0. | 0. | 0. | 0. | 7907. | 3296. | 0.4168 | 0.5832 | 0.3520 |
| 9 | 0. | 0. | 0. | 0. | 0. | 283. | 1161. | 3168. | 0. | 0. | 0. | 0. | 4611. | 972. | 0.2108 | 0.7892 | 0.2053 |
| 10 | 0. | 0. | 0. | 0. | 0. | 0. | 271. | 3368. | 0. | 0. | 0. | 0. | 3639. | 513. | 0.1409 | 0.8591 | 0.1620 |
| 11 | 0. | 0. | 0. | 0. | 0. | 0. | 67. | 3059. | 0. | 0. | 0. | 0. | 3126. | 741. | 0.2370 | 0.7630 | 0.1392 |
| 12 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1932. | 454. | 0. | 0. | 0. | 2386. | 418. | 0.1752 | 0.8248 | 0.1062 |
| 13 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 921. | 1047. | 0. | 0. | 0. | 1968. | 220. | 0.1118 | 0.8882 | 0.0876 |
| 14 | 0. | 38. | 0. | 0. | 0. | 0. | 0. | 285. | 1501. | 0. | 0. | 0. | 1786. | 148. | 0.0829 | 0.9171 | 0.0778 |
| 15 | 0. | 55. | 0. | 0. | 0. | 0. | 0. | 49. | 1602. | 0. | 0. | 0. | 1651. | 185. | 0.1121 | 0.8879 | 0.0714 |
| 16 | 0. | 60. | 0. | 0. | 0. | 0. | 0. | 13. | 1461. | 1. | 0. | 0. | 1475. | 151. | 0.1024 | 0.8976 | 0.0634 |
| 17 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 2. | 1141. | 124. | 0. | 0. | 1267. | 221. | 0.1744 | 0.8256 | 0.0569 |
| 18 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 744. | 302. | 0. | 0. | 1046. | 215. | 0.2056 | 0.7944 | 0.0469 |
| 19 | 0. | 31. | 0. | 0. | 0. | 0. | 0. | 0. | 388. | 474. | 0. | 0. | 862. | 151. | 0.1752 | 0.8248 | 0.0373 |
| 20 | 0. | 62. | 0. | 0. | 0. | 0. | 0. | 0. | 108. | 629. | 0. | 0. | 737. | 91. | 0.1235 | 0.8765 | 0.0308 |
| 21 | 0. | 83. | 0. | 0. | 0. | 0. | 0. | 0. | 15. | 640. | 11. | 0. | 666. | 163. | 0.2448 | 0.7552 | 0.0270 |
| 22 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 407. | 35. | 0. | 442. | 118. | 0.2670 | 0.7330 | 0.0204 |
| 23 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 252. | 72. | 0. | 324. | 68. | 0.2099 | 0.7901 | 0.0149 |
| 24 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 132. | 124. | 0. | 256. | 48. | 0.1875 | 0.8125 | 0.0118 |
| 25 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 60. | 148. | 0. | 208. | 37. | 0.1779 | 0.8221 | 0.0096 |
| 26 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 18. | 153. | 0. | 171. | 13. | 0.0760 | 0.9240 | 0.0079 |
| 27 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 3. | 155. | 0. | 158. | 35. | 0.2215 | 0.7785 | 0.0073 |
| 28 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 123. | 0. | 123. | 13. | 0.1077 | 0.8943 | 0.0057 |
| 29 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 110. | 0. | 110. | 15. | 0.1364 | 0.8636 | 0.0051 |
| 30 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 95. | 0. | 95. | 12. | 0.1263 | 0.8737 | 0.0044 |
| 31 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 83. | 0. | 83. | 47. | 0.5663 | 0.4337 | 0.0038 |
| 32 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 36. | 0. | 36. | 22. | 0.6111 | 0.3889 | 0.0017 |
| 33 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 14. | 0. | 14. | 4. | 0.2857 | 0.7143 | 0.0006 |
| 34 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 10. | 0. | 10. | 9. | 0.9000 | 0.1000 | 0.0005 |
| 35 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | 0. | 1. | 1. | 1.0000 | 0.0 | 0.0000 |

TOT 26180. 329. 0. 0. 90522. 32214. 23523. 14496. 8460. 3041. 1170. 0. 173424. 23855. 0.1376 0.8624 7.2699
 AVERAGE YOS 0.0 0.0 2.28 3.62 6.08 9.82 14.88 20.06 26.46 0.0 4.76
 PRODUCTIVITY 0. 0. 36944. 23118. 23323. 14496. 8460. 3041. 1170. 0. 110551.

 * USMC ENLISTED BASELINE FORCE (00 - 09 CAT)
 * FILENAME= MBE09CAT BASELINE
 * DATE= 12/16/83 TIME= 14:59:23

***** TOTAL FORCE LOSS DISPLAY *****

| YR | XFROTH | XFROFF | DEATH | RETDIS | RET FC | RETVOI | RETINV | OTHDIS | OTH FC | OTHVOL | OTHINV | PROMOUT | TOTALS |
|-------|--------|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| 1 | 295. | 0. | 5. | 5. | 0. | 0. | 0. | 62. | 184. | 0. | 47. | 0. | 303. |
| 2 | 171. | 2. | 19. | 17. | 0. | 0. | 0. | 178. | 804. | 0. | 93. | 0. | 1112. |
| 3 | 293. | 52. | 43. | 56. | 0. | 0. | 0. | 254. | 1991. | 0. | 176. | 0. | 2572. |
| 4 | 197. | 18. | 15. | 19. | 0. | 0. | 0. | 44. | 2844. | 0. | 56. | 0. | 2995. |
| 5 | 1388. | 5. | 6. | 9. | 1. | 0. | 0. | 16. | 4874. | 0. | 36. | 0. | 4947. |
| 6 | 0. | 17. | 21. | 20. | 1. | 0. | 0. | 29. | 1157. | 0. | 36. | 0. | 1280. |
| 7 | 0. | 96. | 21. | 19. | 0. | 0. | 0. | 43. | 2487. | 0. | 52. | 0. | 2720. |
| 8 | 0. | 125. | 14. | 10. | 0. | 0. | 0. | 12. | 3110. | 0. | 25. | 0. | 3296. |
| 9 | 0. | 148. | 5. | 18. | 0. | 0. | 0. | 2. | 784. | 0. | 15. | 0. | 972. |
| 10 | 0. | 126. | 7. | 11. | 0. | 0. | 0. | 8. | 353. | 0. | 7. | 0. | 513. |
| 11 | 0. | 243. | 12. | 20. | 0. | 0. | 0. | 5. | 435. | 0. | 26. | 0. | 741. |
| 12 | 0. | 118. | 1. | 17. | 0. | 0. | 0. | 3. | 277. | 0. | 5. | 0. | 418. |
| 13 | 0. | 58. | 3. | 1. | 0. | 0. | 0. | 3. | 141. | 0. | 13. | 0. | 220. |
| 14 | 42. | 73. | 1. | 14. | 0. | 0. | 0. | 3. | 57. | 0. | 0. | 0. | 148. |
| 15 | 51. | 88. | 4. | 6. | 0. | 0. | 0. | 0. | 45. | 0. | 5. | 0. | 185. |
| 16 | 57. | 0. | 3. | 25. | 2. | 0. | 0. | 0. | 109. | 0. | 11. | 0. | 151. |
| 17 | 0. | 4. | 20. | 23. | 0. | 0. | 0. | 0. | 174. | 0. | 0. | 0. | 221. |
| 18 | 0. | 0. | 5. | 31. | 0. | 0. | 0. | 15. | 111. | 0. | 54. | 0. | 215. |
| 19 | 36. | 0. | 0. | 0. | 10. | 0. | 0. | 0. | 92. | 0. | 49. | 0. | 151. |
| 20 | 63. | 0. | 4. | 4. | 77. | 0. | 0. | 0. | 3. | 0. | 4. | 0. | 91. |
| 21 | 61. | 0. | 0. | 4. | 153. | 0. | 0. | 0. | 5. | 0. | 1. | 0. | 163. |
| 22 | 0. | 0. | 0. | 4. | 111. | 0. | 0. | 0. | 3. | 0. | 0. | 0. | 118. |
| 23 | 0. | 0. | 0. | 2. | 64. | 0. | 0. | 0. | 2. | 0. | 0. | 0. | 68. |
| 24 | 0. | 0. | 1. | 4. | 40. | 0. | 0. | 0. | 3. | 0. | 0. | 0. | 48. |
| 25 | 0. | 0. | 1. | 3. | 32. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 37. |
| 26 | 0. | 0. | 0. | 1. | 12. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 13. |
| 27 | 0. | 0. | 0. | 1. | 34. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 35. |
| 28 | 0. | 0. | 1. | 0. | 12. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 13. |
| 29 | 0. | 0. | 1. | 1. | 13. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 15. |
| 30 | 0. | 0. | 1. | 0. | 11. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 12. |
| 31 | 0. | 0. | 0. | 1. | 45. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 47. |
| 32 | 0. | 0. | 0. | 1. | 21. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 22. |
| 33 | 0. | 0. | 0. | 0. | 4. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 4. |
| 34 | 0. | 0. | 0. | 0. | 9. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 9. |
| 35 | 0. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. |
| 2654. | 1173. | 249. | 348. | 650. | 0. | 0. | 0. | 675. | 20048. | 0. | 712. | 0. | 23855. |

RETIRED POPULATION 15078. (-----(20408. 0.)----{ 35486.

 * USMC ENLISTED BASELINE FORCE (00 - 09 CAT) DATE= 12/16/83 TIME= 14:59:26
 *
 * FILENAME= MBEOCAT BASELINE

***** CATEGORY= TOTAL FORCE *****

| | GRADE-1 | GRADE-2 | GRADE-3 | GRADE-4 | GRADE-5 | GRADE-6 | GRADE-7 | GRADE-8 | GRADE-9 | GRADE-10 | TOTAL |
|------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|---------|
| BEGIN STRENGTH | 0. | 0. | 90522. | 32214. | 23523. | 14496. | 8460. | 3041. | 1170. | 0. | 173426. |
| *****LOSSES***** | | | | | | | | | | | |
| PROM-OUT | 0. | 0. | 11921. | 9932. | 4393. | 1811. | 858. | 235. | 0. | 0. | 29150. |
| LOSS:XFR-OTH | 0. | 0. | 2344. | 0. | 0. | 0. | 150. | 160. | 0. | 0. | 2654. |
| LOSS:XFR-OFF | 0. | 0. | 3. | 52. | 155. | 744. | 219. | 0. | 0. | 0. | 1173. |
| LOSS:DEATH | 0. | 0. | 79. | 16. | 44. | 33. | 66. | 8. | 4. | 0. | 249. |
| LOSS:RET-DIS | 0. | 0. | 80. | 29. | 46. | 72. | 91. | 19. | 11. | 0. | 348. |
| LOSS:RET-FC | 0. | 0. | 0. | 0. | 2. | 0. | 9. | 422. | 218. | 0. | 650. |
| LOSS:RET-VOL | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| LOSS:RET-INV | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| LOSS:OTH-DIS | 0. | 0. | 397. | 136. | 107. | 17. | 3. | 16. | 0. | 0. | 675. |
| LOSS:OTH-FC | 0. | 0. | 10990. | 1699. | 5081. | 1661. | 488. | 125. | 3. | 0. | 20048. |
| LOSS:OTH-VOL | 0. | 0. | 0. | 0. | 0. | 6. | 0. | 0. | 0. | 0. | 0. |
| LOSS:OTH-INV | 0. | 0. | 365. | 56. | 104. | 56. | 80. | 50. | 0. | 0. | 712. |
| TOTAL LOSSES | 0. | 0. | 26180. | 11921. | 9932. | 4393. | 1964. | 1034. | 235. | 0. | 55660. |
| *****GAINS***** | | | | | | | | | | | |
| GAINS TO | 0. | 0. | 26180. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 26180. |
| GAINS OTHER | 0. | 0. | 0. | 0. | 0. | 0. | 153. | 176. | 0. | 0. | 329. |
| PROM-IN | 0. | 0. | 0. | 11921. | 9932. | 4393. | 1811. | 858. | 235. | 0. | 29150. |
| TOTAL GAINS | 0. | 0. | 26180. | 11921. | 9932. | 4393. | 1964. | 1034. | 235. | 0. | 55660. |
| END STRENGTH | 0. | 0. | 90522. | 32214. | 23523. | 14496. | 8460. | 3041. | 1170. | 0. | 173426. |

 * FILENAME= FBEO9CAT BASELINE *
 * DATE= 12/16/83 *
 * TIME= 14:59:54 *
 * *****
 * USAF BASELINE ENLISTED 9 CATEGORIES (CAT 5 REVISED 27 MAY, =CURR) *****
 * *****

***** TOTAL FORCE DISPLAY *****

| YOS | G:TO | G:OTH | GRD-1 | GRD-2 | GRD-3 | GRD-4 | GRD-5 | GRD-5 | GRD-6 | GRD-7 | GRD-8 | GRD-9 | GRD10 | TOTAL LOSSES | LOSS | RETN | CONT |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------------|--------|--------|--------|
| 1 | 62149 | 0 | 0 | 0 | 62149 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 62149 | 6372 | 0.1025 | 0.8975 |
| 2 | 0 | 0 | 0 | 0 | 55777 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 55777 | 0.0906 | 0.9094 | 0.8975 |
| 3 | 0 | 0 | 0 | 0 | 35809 | 14916 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 50725 | 4571 | 0.0901 | 0.9099 |
| 4 | 0 | 0 | 0 | 0 | 9125 | 34814 | 2216 | 0 | 0 | 0 | 0 | 0 | 0 | 46155 | 24159 | 0.5234 | 0.4766 |
| 5 | 0 | 0 | 0 | 0 | 60 | 14467 | 7468 | 0 | 0 | 0 | 0 | 0 | 0 | 21995 | 1705 | 0.0775 | 0.9225 |
| 6 | 0 | 0 | 0 | 0 | 39 | 9314 | 10938 | 0 | 0 | 0 | 0 | 0 | 0 | 20290 | 1640 | 0.0908 | 0.9092 |
| 7 | 0 | 0 | 0 | 0 | 23 | 5603 | 13025 | 0 | 0 | 0 | 0 | 0 | 0 | 18650 | 1060 | 0.0568 | 0.9432 |
| 8 | 0 | 0 | 0 | 0 | 11 | 3467 | 13836 | 276 | 0 | 0 | 0 | 0 | 0 | 17590 | 1132 | 0.0643 | 0.9357 |
| 9 | 0 | 0 | 0 | 0 | 5 | 2369 | 13017 | 1067 | 0 | 0 | 0 | 0 | 0 | 16458 | 815 | 0.0495 | 0.9505 |
| 10 | 0 | 0 | 0 | 0 | 0 | 1852 | 11648 | 2143 | 0 | 0 | 0 | 0 | 0 | 15643 | 811 | 0.0518 | 0.9482 |
| 11 | 0 | 0 | 0 | 0 | 0 | 1611 | 9861 | 3360 | 0 | 0 | 0 | 0 | 0 | 14832 | 706 | 0.0476 | 0.9524 |
| 12 | 0 | 0 | 0 | 0 | 0 | 1514 | 7723 | 4824 | 64 | 0 | 0 | 0 | 0 | 14126 | 613 | 0.0434 | 0.9566 |
| 13 | 0 | 0 | 0 | 0 | 0 | 1424 | 5410 | 6298 | 380 | 0 | 0 | 0 | 0 | 13513 | 538 | 0.0398 | 0.9602 |
| 14 | 0 | 0 | 0 | 0 | 0 | 1340 | 3580 | 6995 | 1061 | 0 | 0 | 0 | 0 | 12975 | 510 | 0.0393 | 0.9607 |
| 15 | 0 | 0 | 0 | 0 | 0 | 1259 | 2200 | 6829 | 2177 | 0 | 0 | 0 | 0 | 12465 | 463 | 0.0372 | 0.9628 |
| 16 | 0 | 0 | 0 | 0 | 0 | 1182 | 1393 | 6015 | 3412 | 0 | 0 | 0 | 0 | 12002 | 411 | 0.0343 | 0.9657 |
| 17 | 0 | 0 | 0 | 0 | 0 | 1111 | 807 | 5081 | 4488 | 104 | 0 | 0 | 0 | 11590 | 422 | 0.0364 | 0.9636 |
| 18 | 0 | 0 | 0 | 0 | 0 | 1044 | 313 | 4257 | 5295 | 350 | 0 | 0 | 0 | 11168 | 380 | 0.0340 | 0.9660 |
| 19 | 0 | 0 | 0 | 0 | 0 | 980 | 117 | 3413 | 5551 | 728 | 1 | 0 | 0 | 10788 | 361 | 0.0334 | 0.9666 |
| 20 | 0 | 0 | 0 | 0 | 0 | 920 | 109 | 2743 | 5400 | 1215 | 41 | 0 | 0 | 10428 | 3803 | 0.3647 | 0.6353 |
| 21 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1327 | 3598 | 1548 | 152 | 0 | 0 | 6625 | 1861 | 0.2809 | 0.7191 |
| 22 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 683 | 2204 | 1552 | 325 | 0 | 0 | 4764 | 1039 | 0.2182 | 0.7818 |
| 23 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 416 | 1389 | 1415 | 504 | 0 | 0 | 3725 | 965 | 0.2592 | 0.7408 |
| 24 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 929 | 1171 | 659 | 0 | 0 | 2759 | 485 | 0.1757 | 0.8243 |
| 25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 608 | 902 | 765 | 0 | 0 | 2275 | 307 | 0.1350 | 0.8650 |
| 26 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 453 | 710 | 805 | 0 | 0 | 1968 | 675 | 0.3431 | 0.6569 |
| 27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 30 | 521 | 741 | 0 | 0 | 1293 | 303 | 0.2347 | 0.7653 |
| 28 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 382 | 608 | 0 | 0 | 989 | 488 | 0.4932 | 0.5068 |
| 29 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 492 | 0 | 0 | 501 | 72 | 0.1441 | 0.8559 |
| 30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 429 | 0 | 0 | 429 | 429 | 1.0000 | 0.0 |
| 31 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.0000 | 0.0 |
| 32 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.0000 | 0.0 |
| 33 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.0000 | 0.0 |
| 34 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.0000 | 0.0 |
| 35 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.0000 | 0.0 |

TOT 62149 0 0 0 0 162997 99185 103660 55726 36949 10606 5522 0 474643 62149 0.1309 0.8691 7.6372
 AVERAGE YOS 0.0 0.0 0.0 0.0 1.45 5.60 8.64 14.60 18.37 22.08 25.36 0.0 7.49
 PRODUCTIVITY 0.0 0.0 0.0 0.0 38830 83024 103106 55726 36949 10606 5522 0 333763

USAF BASELINE ENLISTED 9 CATEGORIES (CAT 5 REVISED 27 MAY, =CURR)

TIME= 14:59:54

DATE= 12/16/83

BASLINE

***** TOTAL FORCE LOSS DISPLAY *****

[illegible]

0. 62149.

11205.

30052.

448.

五

2152.

641

545.

425.

1872-

0

360880.

| | | | |
|--------|---------|---------|-------|
| 24494. | 264711. | 70896. | 779. |
| ----- | ----- | 336387. | ----- |

RETIRED POPULATION

App K-88

 *
 * USAF BASELINE ENLISTED 9 CATEGORIES (CAT 5 REVISED 27 MAY,=CURR) *****
 *
 * FILENAME= FBEO9CAT BASELINE *****
 *
 * DATE= 12/16/83 TIME= 14:59:55 *****

 ***** FLOW RECONCILIATION *****
 ***** CATEGORY= TOTAL FORCE *****

| | GRADE-1 | GRADE-2 | GRADE-3 | GRADE-4 | GRADE-5 | GRADE-6 | GRADE-7 | GRADE-8 | GRADE-9 | GRADE-10 | TOTAL |
|----------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|---------|
| BEGIN STRENGTH | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| ****LOSSES**** | | | | | | | | | | | |
| PROM-OUT | 0. | 0. | 39523. | 18652. | 11945. | 7880. | 3025. | 1237. | 0. | 0. | 82263. |
| LOSS:XFR-OTH | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| LOSS:XFR-OFF | 0. | 0. | 346. | 236. | 795. | 462. | 40. | 0. | 0. | 0. | 1878. |
| LOSS:DEATH | 0. | 0. | 156. | 87. | 86. | 47. | 33. | 0. | 0. | 0. | 426. |
| LOSS:RET-DIS | 0. | 0. | 175. | 109. | 125. | 57. | 50. | 15. | 13. | 0. | 545. |
| LOSS:RET-FC | 0. | 0. | 0. | 909. | 103. | 1834. | 3144. | 1315. | 843. | 0. | 8149. |
| LOSS:RET-VOL | 0. | 0. | 0. | 0. | 6. | 313. | 1039. | 422. | 373. | 0. | 2152. |
| LOSS:RET-INV | 0. | 0. | 0. | 0. | 0. | 4. | 10. | 6. | 3. | 0. | 24. |
| LOSS:OTH-DIS | 0. | 0. | 210. | 91. | 87. | 44. | 16. | 0. | 0. | 0. | 448. |
| LOSS:OTH-FC | 0. | 0. | 7495. | 16432. | 4472. | 1144. | 492. | 16. | 0. | 0. | 30052. |
| LOSS:OTH-VOL | 0. | 0. | 5506. | 987. | 652. | 109. | 16. | 0. | 0. | 0. | 7270. |
| LOSS:OTH-INV | 0. | 0. | 8738. | 2020. | 382. | 50. | 14. | 0. | 0. | 0. | 11205. |
| TOTAL LOSSES | 0. | 0. | 62149. | 39523. | 18652. | 11945. | 7880. | 3025. | 1237. | 0. | 144412. |
| ****GAINS**** | | | | | | | | | | | |
| GAINS TO | 0. | 0. | 62149. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 62149. |
| GAINS OTHER | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| PROM-IN | 0. | 0. | 0. | 39523. | 18652. | 11945. | 7880. | 3025. | 1237. | 0. | 82263. |
| TOTAL GAINS | 0. | 0. | 62149. | 39523. | 18652. | 11945. | 7880. | 3025. | 1237. | 0. | 144412. |
| END STRENGTH | 0. | 0. | 152997. | 99185. | 103660. | 55726. | 36949. | 10606. | 5522. | 0. | 474645. |

 * FILENAME= CBEOICAT BASELINE DATE= 12/16/83 TIME= 15:02:25
 * COAST GUARD BASELINE ENLISTED--1 CATEGORY

***** TOTAL FORCE DISPLAY *****

| YOS | G:TO | G:OTH | GRD-1 | GRD-2 | CRD-3 | GRD-4 | GRD-5 | GRD-6 | GRD-7 | GRD-8 | GRD-9 | GRD10 | TOTAL LOSSES | LOSS | RETN | CONT | |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------------|-------|--------|--------|--------|
| 1 | 5979. | 0. | 0. | 0. | 5979. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 5979. | 1132. | 0.1893 | 0.8107 | 1.0000 |
| 2 | 0. | 0. | 0. | 0. | 2155. | 2692. | 0. | 0. | 0. | 0. | 0. | 0. | 4847. | 142. | 0.0292 | 0.9708 | 0.8107 |
| 3 | 0. | 0. | 0. | 0. | 1072. | 2216. | 1419. | 0. | 0. | 0. | 0. | 0. | 4706. | 2675. | 0.5683 | 0.4317 | 0.7870 |
| 4 | 0. | 0. | 0. | 0. | 267. | 709. | 1036. | 20. | 0. | 0. | 0. | 0. | 2031. | 453. | 0.2229 | 0.7771 | 0.3397 |
| 5 | 0. | 0. | 0. | 0. | 126. | 302. | 1006. | 145. | 0. | 0. | 0. | 0. | 1579. | 147. | 0.0930 | 0.9070 | 0.2640 |
| 6 | 0. | 0. | 0. | 0. | 68. | 216. | 87. | 331. | 0. | 0. | 0. | 0. | 1432. | 108. | 0.0751 | 0.9249 | 0.2395 |
| 7 | 0. | 0. | 0. | 0. | 41. | 164. | 530. | 576. | 13. | 0. | 0. | 0. | 1324. | 157. | 0.1186 | 0.8814 | 0.2215 |
| 8 | 0. | 0. | 0. | 0. | 18. | 107. | 402. | 620. | 20. | 0. | 0. | 0. | 1167. | 202. | 0.1731 | 0.8269 | 0.1952 |
| 9 | 0. | 0. | 0. | 0. | 10. | 41. | 283. | 596. | 35. | 0. | 0. | 0. | 965. | 115. | 0.1192 | 0.8808 | 0.1614 |
| 10 | 0. | 0. | 0. | 0. | 5. | 28. | 201. | 562. | 54. | 0. | 0. | 0. | 850. | 85. | 0.1001 | 0.8999 | 0.1422 |
| 11 | 0. | 0. | 0. | 0. | 4. | 16. | 138. | 500. | 107. | 0. | 0. | 0. | 765. | 45. | 0.0588 | 0.9412 | 0.1279 |
| 12 | 0. | 0. | 0. | 0. | 2. | 10. | 38. | 450. | 162. | 2. | 0. | 0. | 720. | 13. | 0.0176 | 0.9824 | 0.1204 |
| 13 | 0. | 0. | 0. | 0. | 1. | 5. | 82. | 412. | 203. | 4. | 0. | 0. | 707. | 41. | 0.0580 | 0.9420 | 0.1183 |
| 14 | 0. | 0. | 0. | 0. | 0. | 3. | 63. | 353. | 239. | 8. | 0. | 0. | 666. | 45. | 0.0674 | 0.9326 | 0.1114 |
| 15 | 0. | 0. | 0. | 0. | 0. | 1. | 56. | 289. | 263. | 12. | 0. | 0. | 621. | 19. | 0.0311 | 0.9689 | 0.1039 |
| 16 | 0. | 0. | 0. | 0. | 0. | 0. | 44. | 260. | 282. | 16. | 0. | 0. | 602. | 38. | 0.0631 | 0.9369 | 0.1007 |
| 17 | 0. | 0. | 0. | 0. | 0. | 0. | 32. | 214. | 297. | 21. | 0. | 0. | 564. | 103. | 0.1825 | 0.8175 | 0.0943 |
| 18 | 0. | 0. | 0. | 0. | 0. | 0. | 25. | 130. | 263. | 41. | 2. | 0. | 461. | 112. | 0.2430 | 0.7570 | 0.0771 |
| 19 | 0. | 0. | 0. | 0. | 0. | 0. | 19. | 89. | 187. | 49. | 5. | 0. | 349. | 45. | 0.1289 | 0.8711 | 0.0584 |
| 20 | 0. | 0. | 0. | 0. | 0. | 0. | 10. | 70. | 156. | 52. | 16. | 0. | 304. | 34. | 0.1116 | 0.8884 | 0.0509 |
| 21 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 48. | 105. | 86. | 31. | 0. | 270. | 40. | 0.1481 | 0.8519 | 0.0452 |
| 22 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 28. | 95. | 69. | 35. | 0. | 230. | 31. | 0.1352 | 0.8648 | 0.0385 |
| 23 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 23. | 79. | 58. | 39. | 0. | 199. | 25. | 0.1258 | 0.8742 | 0.0333 |
| 24 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 18. | 63. | 51. | 42. | 0. | 174. | 31. | 0.1782 | 0.8218 | 0.0291 |
| 25 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 14. | 53. | 38. | 38. | 0. | 143. | 30. | 0.2098 | 0.7902 | 0.0239 |
| 26 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 9. | 40. | 33. | 31. | 0. | 113. | 26. | 0.2300 | 0.7700 | 0.0189 |
| 27 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 4. | 33. | 25. | 25. | 0. | 87. | 23. | 0.2645 | 0.7355 | 0.0146 |
| 28 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 3. | 21. | 15. | 19. | 0. | 64. | 20. | 0.3127 | 0.6873 | 0.0107 |
| 29 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | 15. | 12. | 16. | 0. | 44. | 20. | 0.4546 | 0.5454 | 0.0074 |
| 30 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 8. | 7. | 9. | 0. | 24. | 6. | 0.2499 | 0.7501 | 0.0040 |
| 31 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 6. | 6. | 6. | 0. | 18. | 5. | 0.2782 | 0.7218 | 0.0030 |
| 32 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 3. | 5. | 5. | 0. | 13. | 3. | 0.2311 | 0.7689 | 0.0022 |
| 33 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | 5. | 4. | 0. | 10. | 3. | 0.3003 | 0.6997 | 0.0017 |
| 34 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 4. | 3. | 0. | 7. | 2. | 0.2856 | 0.7144 | 0.0012 |
| 35 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 3. | 2. | 0. | 5. | 5. | 1.0000 | 0.0 | 0.0008 |

| | | | | | | | | | | | | | | | | | |
|--------------|-------|-----|-----|-----|-------|-------|-------|-------|-------|-------|-------|-----|--------|-------|--------|--------|--------|
| TOT | 5979. | 0. | 0. | 0. | 9748. | 6509. | 6252. | 5764. | 2813. | 628. | 330. | 0. | 32044. | 5980. | 0.1866 | 0.8134 | 5.3589 |
| AVERAGE YOS | | | | | 1.17 | 2.69 | 5.49 | 10.76 | 16.47 | 21.72 | 24.24 | 0.0 | 6.03 | | | | |
| PRODUCTIVITY | 0.0 | 0.0 | 0.0 | 0.0 | 1550. | 3205. | 5283. | 5759. | 2813. | 628. | 330. | 0.0 | 19569. | | | | |

* COAST GUARD BASELINE EWLSTED--1 CATEGORY
* FILENAME= CBED01CAT BASELINE
* DATE= 12/16/83 TIME= 15:02:28

***** TOTAL FORCE LOSS DISPLAY *****

| YR | XFROTH | XFROFF | DEATH | RETDIS | RET FC | RETVOL | RETINV | OTHDS | OTH FC | OTHVOL | OTHINV | PROMOUT | TOTALS |
|----|--------|--------|-------|--------|--------|--------|--------|-------|--------|--------|--------|---------|--------|
| 1 | 0. | 0. | 4. | 0. | 0. | 0. | 0. | 0. | 1128. | 0. | 0. | 0. | 1132. |
| 2 | 0. | 0. | 5. | 2. | 0. | 0. | 0. | 0. | 0. | 135. | 0. | 0. | 142. |
| 3 | 0. | 0. | 5. | 2. | 0. | 0. | 0. | 0. | 1024. | 1643. | 0. | 0. | 2675. |
| 4 | 0. | 0. | 3. | 2. | 0. | 0. | 0. | 0. | 448. | 0. | 0. | 0. | 453. |
| 5 | 0. | 0. | 1. | 3. | 0. | 0. | 0. | 0. | 143. | 0. | 0. | 0. | 147. |
| 6 | 0. | 0. | 1. | 3. | 0. | 0. | 0. | 0. | 103. | 0. | 0. | 0. | 108. |
| 7 | 0. | 0. | 1. | 2. | 0. | 0. | 0. | 0. | 154. | 0. | 0. | 0. | 157. |
| 8 | 0. | 0. | 1. | 2. | 0. | 0. | 0. | 0. | 199. | 0. | 0. | 0. | 202. |
| 9 | 0. | 0. | 1. | 1. | 0. | 0. | 0. | 0. | 113. | 0. | 0. | 0. | 115. |
| 10 | 0. | 0. | 1. | 1. | 0. | 0. | 0. | 0. | 83. | 0. | 0. | 0. | 85. |
| 11 | 0. | 0. | 1. | 2. | 0. | 0. | 0. | 0. | 43. | 0. | 0. | 0. | 45. |
| 12 | 0. | 0. | 1. | 1. | 0. | 0. | 0. | 0. | 11. | 0. | 0. | 0. | 13. |
| 13 | 0. | 0. | 1. | 1. | 0. | 0. | 0. | 0. | 49. | 0. | 0. | 0. | 41. |
| 14 | 0. | 0. | 1. | 1. | 0. | 0. | 0. | 0. | 43. | 0. | 0. | 0. | 45. |
| 15 | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 18. | 0. | 0. | 0. | 19. |
| 16 | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 36. | 0. | 0. | 0. | 38. |
| 17 | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 102. | 0. | 0. | 0. | 103. |
| 18 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 111. | 0. | 0. | 0. | 112. |
| 19 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 44. | 0. | 0. | 0. | 45. |
| 20 | 0. | 0. | 0. | 3. | 31. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 34. |
| 21 | 0. | 0. | 0. | 3. | 37. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 40. |
| 22 | 0. | 0. | 0. | 3. | 28. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 31. |
| 23 | 0. | 0. | 0. | 2. | 22. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 25. |
| 24 | 0. | 0. | 0. | 2. | 29. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 31. |
| 25 | 0. | 0. | 0. | 1. | 29. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 30. |
| 26 | 0. | 0. | 0. | 1. | 25. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 26. |
| 27 | 0. | 0. | 0. | 2. | 21. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 23. |
| 28 | 0. | 0. | 0. | 1. | 20. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 20. |
| 29 | 0. | 0. | 0. | 0. | 20. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 20. |
| 30 | 0. | 0. | 0. | 0. | 6. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 6. |
| 31 | 0. | 0. | 0. | 0. | 5. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 5. |
| 32 | 0. | 0. | 0. | 0. | 3. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 3. |
| 33 | 0. | 0. | 0. | 0. | 3. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 3. |
| 34 | 0. | 0. | 0. | 0. | 2. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 2. |
| 35 | 0. | 0. | 0. | 0. | 5. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 5. |

0. 0. 27. 46. 285. 0. 0. 0. 3844. 1777. 0. 0. 5980.

RETIRED POPULATION 1844. 8705. 0. 10549.

 * COAST GUARD BASELINE ENLISTED--1 CATEGORY
 * FILENAME= CBE01CAT BASELINE
 * DATE= 12/16/83 TIME= 15:02:40

***** CATEGORY= TOTAL FORCE *****

***** FLOW RECONCILIATION *****

| | GRADE-1 | GRADE-2 | GRADE-3 | GRADE-4 | GRADE-5 | GRADE-6 | GRADE-7 | GRADE-8 | GRADE-9 | GRADE-10 | TOTAL |
|----------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|--------|
| BEGIN STRENGTH | 0. | 0. | 9748. | 6509. | 6252. | 5764. | 2813. | 628. | 330. | 0. | 32044. |

*****LOSSES*****

| | | | | | | | | | | | |
|--------------|----|----|-------|-------|-------|------|------|------|-----|----|--------|
| PROM-OUT | 0. | 0. | 3774. | 1586. | 662. | 321. | 117. | 42. | 0. | 0. | 6503. |
| LOSS:XFR-OTH | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| LOSS:XFR-OFF | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| LOSS:DEATH | 0. | 0. | 10. | 6. | 5. | 4. | 2. | 0. | 0. | 0. | 27. |
| LOSS:RET-DIS | 0. | 0. | - | 9. | 8. | 12. | 11. | 5. | 2. | 0. | 46. |
| LOSS:RET-FC | 0. | 0. | 0. | 0. | 10. | 65. | 99. | 71. | 40. | 0. | 285. |
| LOSS:RET-VOL | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| LOSS:RET-INV | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| LOSS:OTH-DIS | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| LOSS:OTH-FC | 0. | 0. | 2195. | 828. | 469. | 259. | 93. | 0. | 0. | 0. | 3844. |
| LOSS:OTH-VOL | 0. | 0. | 0. | 1345. | 432. | 0. | 0. | 0. | 0. | 0. | 1777. |
| LOSS:OTH-INV | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| TOTAL LOSSES | 0. | 0. | 5980. | 3774. | 1586. | 662. | 321. | 117. | 42. | 0. | 12482. |

*****GAINS*****

| | | | | | | | | | | | |
|--------------|----|----|-------|-------|-------|-------|-------|------|------|----|--------|
| GAINS TO | 0. | 0. | 5979. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 5979. |
| GAINS OTHER | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| PROM-IN | 0. | 0. | 0. | 3774. | 1586. | 662. | 321. | 117. | 42. | 0. | 6503. |
| TOTAL GAINS | 0. | 0. | 5979. | 3774. | 1586. | 662. | 321. | 117. | 42. | 0. | 12482. |
| END STRENGTH | 0. | 0. | 9747. | 6509. | 6252. | 5764. | 2813. | 628. | 330. | 0. | 32043. |

APPENDIX L
SUPPORTING ANALYSIS DATA



MAJGEN STUART N. SHERMAN, JR., USAF
COL CARL F. REIBER, USA
LTC JOHN E. VAN DUYN, USAF
MAJ ROY E. SMOKER, USAF

SUPPORTING ANALYSIS DATA

I. INTRODUCTION. This appendix contains the detailed data which were used in developing and analyzing the various retirement alternatives. Specifically, this consists of the cost data for each of the various retirement changes which were either developed by the Fifth ORMC or other commissions, additional force data tables and the material which supports the transition of the major retirement alternatives from the steady-state mode into a dynamic state.

II. COST DATA.

A. COST DATA. The cost data reflect the output from three models: two versions of the ACOL model and the more refined costs produced by the DMSM. The ACOL costs are separated into ACOL A costs (those costs developed prior to the correction of the civilian earnings stream) and ACOL B costs, which are the latest costs produced.

Attachment 3 contains the basic cost data. It consists of cost tables representing the major retirement options that were evaluated. Each cost table displays the costs by community (officer, enlisted or both), by Service (including total DoD), and cost category (gain, maintenance, force, retirement, etcetera). The index to these cost tables, displayed at Attachment 1, is also useful to understand the structure of the analysis and the relationship between the various options that were explored. Contrasted to the raw data in Attachment 3, the reports in Attachment 4 facilitate comparisons between cases and models by displaying the cost data for a specific population on the same page. The first report displays the raw cost data; the second displays the dollar differences from the terminal pay base case; and, the third displays these differences in terms of percentages. Another useful method of displaying the cost results, Attachment 2, uses the organization of Attachment 1 to display, on one page, the values for one specific statistic for a given population. For instance, Attachment 2 displays a "bottom line" measure, the percentage change in total steady-state costs, as measured from the terminal pay base case, for the total DoD officer and enlisted population.

B. COST COMPARISONS. Table L-1 displays a comparison of total system costs for the total DoD population for the three sources of cost data. Both ACOL A and DMSM are compared to ACOL B. Cost differences can arise due to: (1) differences in costing algorithms, (2) differences in retention, or (3) both. In general, the differences between ACOL A and ACOL B are due to changes in force structure since only a very small change was made to the costing methodology. Similarly, the differences between DMSM and ACOL B are due to differences in the costing algorithm as force structures are basically the same. However, when translating ACOL output to DMSM input, some differences can occur, but usually not more than plus or minus one percent.

Overall, the cost differences are relatively minor. With only two exceptions (out of 8 comparisons) the differences between ACOL A and ACOL B are uniformly negative, and are one percent or less. With no

exceptions, the differences between DMSM and ACOL B are uniformly positive, and, in only two instances, do they exceed one percent. There are slight differences in relative ranking of the retirement options by the three sources. While one would expect that, for each source, the various options would retain the same relative rank (from least costly to most costly) the data indicates this is not necessarily true. However, the differences are very slight.

Table L-B-1
Cost Comparison of ACOL A and DMSM with ACOL B
(Deltas Measured from ACOL B Figures)

Population: DoD Total
Measure: Total System Costs

| Retirement
Option | Statistic | Without Reallocation | | | With Reallocation | | |
|---|------------|----------------------|--------|--------------|------------------------|--------|---------------------|
| | | ACOL A | ACOL B | DMSM(ACOL B) | Reallocation
Option | ACOL A | ACOL B DMSM(ACOL B) |
| DEC 30Z
(1.75% Mult.)
1
2
3 | \$Costs | 52286 | 52129 | 53506 | | 56686 | 56859 57665 |
| | \$Delta | +157 | | +1377 | | -173 | +806 |
| | ZDelta | + 0 | | + 3 | | 0 | +1 |
| | Option Ran | (2) | (1) | (2) | 210-60-100 | (3) | (2) (3) |
| 3Z PEN | \$Costs | 54580 | 54979 | 55402 | | 58105 | 58479 58575 |
| | \$Delta | -399 | | + 423 | | -374 | + 96 |
| | ZDelta | - 1 | | - 1 | | - 1 | + 0 |
| | Option Ran | (4) | (4) | (4) | 210-0-0 | (4) | (4) |
| COLA 62/50Z | \$Costs | 53013 | 52971 | 53874 | | 56316 | 56383 57020 |
| | \$Delta | + 42 | | + 903 | | - 67 | +637 |
| | ZDelta | + 0 | | + 2 | | - 0 | + 1 |
| | Option Ran | (3) | (3) | (3) | 160-40-50 | (1) | (1) |
| COLA 62/75Z
+3Z PEN | \$Costs | 52275 | 52573 | 52833 | | 56380 | 56887 57158 |
| | \$Delta | -298 | | + 260 | | -507 | +271 |
| | ZDelta | - 1 | | + 0 | | - 1 | + 0 |
| | Option Ran | (1) | (2) | (1) | 200/300-0-0 | (2) | (3) |

REFERENCE NUMBER INDEX TO COST TABLES

| CASE: | REALLOCATION
PATTERN: | ACOL A: | | ACOL B: | | DMSM(B): | |
|---------------------------|--------------------------|---------|-------|---------|-------|----------|-------|
| | | W/O: | WITH: | W/O: | WITH: | W/O: | WITH: |
| I. BASE CASES: | | -X- | -X- | -X- | -X- | -X- | -X- |
| A. TERMINAL PAY | | 2 | - | - | - | - | - |
| B. HIGH 3 | | 3 | - | 43 | - | - | - |
| II. BASIC ADJUSTMENTS: | | | | | | | |
| A. DECREMENT X%: | | | | | | | |
| 1. 10% (2.25% MULT) | | 4 | - | - | - | - | - |
| 2. 20% (2.00% MULT) | 150-30-70 | 5 | 6 | - | - | - | - |
| 3. 30% (1.75% MULT) | | | | | | | |
| A. EW #1 | 210-0-0 | 7 | 8 | - | - | - | - |
| B. EW #2 | 210-60-100 | 7 | 9 | 44 | 45 | 52 | 53 |
| 4. 40% (1.50% MULT) | | 10 | - | - | - | - | - |
| 5. 50% (1.25% MULT) | | 11 | - | - | - | - | - |
| B. X% PENALTY PRE-30: | | | | | | | |
| 1. 1% | 90-0-0 | 12 | 13 | - | - | - | - |
| 2. 2% | 150-0-0 | 14 | 15 | - | - | - | - |
| 3. 3% | 210-0-0 | 16 | 17 | 46 | 47 | 54 | 55 |
| 4. 4% | 270-0-0 | 18 | 19 | - | - | - | - |
| 5. 5% | | 20 | - | - | - | - | - |
| 6. 6% | 390-0-0 | 21 | 22 | - | - | - | - |
| C. X% COLA UNTIL 30 YOS: | | | | | | | |
| 1. 90% | | 23 | - | - | - | - | - |
| 2. 75% | | 24 | - | - | - | - | - |
| 3. 67% | | 25 | - | - | - | - | - |
| 4. 50% | | 26 | - | - | - | - | - |
| 5. 33% | | 27 | - | - | - | - | - |
| 6. 0% | | 28 | - | - | - | - | - |
| D. X% COLA UNTIL AGE 62: | | | | | | | |
| 1. 90% | | 29 | - | - | - | - | - |
| 2. 75% | | 30 | - | - | - | - | - |
| 3. 67% | | 31 | - | - | - | - | - |
| 4. 50% | 160-40-50 | 32 | 33 | 48 | 49 | 56 | 57 |
| 5. 33% | | 34 | - | - | - | - | - |
| 6. 0% | | 35 | - | - | - | - | - |
| E. X% COLA FOR LIFE: | | | | | | | |
| 1. 75% | | 36 | - | - | - | - | - |
| 2. 50% | | 37 | - | - | - | - | - |
| 3. 25% | | 38 | - | - | - | - | - |
| 4. 0% | | 39 | - | - | - | - | - |
| F. X% COLA TO 62+3% PEN: | | | | | | | |
| 1. 75% | 200/300-0-0 | 40 | 41 | 50 | 51 | 58 | 59 |
| 2. 67% | | 42 | - | - | - | - | - |
| III. SPECIAL ADJUSTMENTS: | | | | | | | |
| A. SS OFFSET (1.25%) | | 60 | - | - | - | - | - |
| B. NO VESTING TIL X YOS: | | | | | | | |
| 1. 22 YOS, NO SHIFT | | 61 | - | - | - | - | - |
| 2. 24 YOS, NO SHIFT | | 62 | - | - | - | - | - |
| 3. 30 YOS, NO SHIFT | | 63 | - | - | - | - | - |
| 4. 22 YOS, SHIFT | | 64 | - | - | - | - | - |
| 5. 24 YOS, SHIFT | | 65 | - | - | - | - | - |
| 6. 30 YOS, SHIFT | | 66 | - | - | - | - | - |
| C. RMA | | 67 | - | - | - | - | - |
| D. USRBA | LOAN | 68 | 69 | - | - | - | - |
| E. PPSSCC | | | | | | | |
| 1. OSD 24B | | 70 | - | - | - | - | - |
| 2. USAF 1.9% | | 71 | - | - | - | - | - |

NOTE: COLUMNS HEADED "W/O" DON'T INCLUDE REALLOCATION; COLUMNS HEADED "WITH" DO.

% DELTAS FROM TERMINAL PAY BASE CASE (TOTAL COST)

| CASE: | REALLOCATION
PATTERN: | ACOL A: | | ACOL B: | | DMSM(B): | |
|---------------------------|--------------------------|---------|-------|---------|-------|----------|-------|
| | | W/O: | WITH: | W/O: | WITH: | W/O: | WITH: |
| I. BASE CASES: | | | | | | | |
| A. TERMINAL PAY | | 59624 | - | - | - | - | - |
| B. HIGH 3 | | -2 | - | -2 | - | - | - |
| II. BASIC ADJUSTMENTS: | | | | | | | |
| A. DECREMENT X%: | | | | | | | |
| 1. 10% (2.25% MULT) | | -5 | - | - | - | - | - |
| 2. 20% (2.00% MULT) | 150-30-70 | -9 | -4 | - | - | - | - |
| 3. 30% (1.75% MULT) | | | | | | | |
| A. LW #1 | 210-0-0 | -12 | -7 | - | - | - | - |
| B. LW #2 | 210-60-100 | -12 | -5 | -13 | -5 | -10 | -3 |
| 4. 40% (1.50% MULT) | | -15 | - | - | - | - | - |
| 5. 50% (1.25% MULT) | | -18 | - | - | - | - | - |
| B. X% PENALTY PRE-30: | | | | | | | |
| 1. 1% | 90-0-0 | -4 | -1 | - | - | - | - |
| 2. 2% | 150-0-0 | -7 | -2 | - | - | - | - |
| 3. 3% | 210-0-0 | -8 | -3 | -8 | -2 | -7 | -2 |
| 4. 4% | 270-0-0 | -10 | -4 | - | - | - | - |
| 5. 5% | | -11 | - | - | - | - | - |
| 6. 6% | 390-0-0 | -11 | -1 | - | - | - | - |
| C. X% COLA UNTIL 30 YOS: | | | | | | | |
| 1. 90% | | -3 | - | - | - | - | - |
| 2. 75% | | -4 | - | - | - | - | - |
| 3. 67% | | -5 | - | - | - | - | - |
| 4. 50% | | -7 | - | - | - | - | - |
| 5. 33% | | -9 | - | - | - | - | - |
| 6. 0% | | -11 | - | - | - | - | - |
| D. X% COLA UNTIL AGE 62: | | | | | | | |
| 1. 90% | | -4 | - | - | - | - | - |
| 2. 75% | | -7 | - | - | - | - | - |
| 3. 67% | | -8 | - | - | - | - | - |
| 4. 50% | 160-40-50 | -11 | -6 | -11 | -5 | -10 | -4 |
| 5. 33% | | -13 | - | - | - | - | - |
| 6. 0% | | -17 | - | - | - | - | - |
| E. X% COLA FOR LIFE: | | | | | | | |
| 1. 75% | | -8 | - | - | - | - | - |
| 2. 50% | | -12 | - | - | - | - | - |
| 3. 25% | | -16 | - | - | - | - | - |
| 4. 0% | | -18 | - | - | - | - | - |
| F. X% COLA TO 62+3% PEN: | | | | | | | |
| 1. 75% | 200/300-0-0 | -12 | -5 | -12 | -5 | -11 | -4 |
| 2. 67% | | -8 | - | - | - | - | - |
| III. SPECIAL ADJUSTMENTS: | | | | | | | |
| A. SS OFFSET (1.25%) | | -8 | - | - | - | - | - |
| B. NO VESTING TIL X YOS: | | | | | | | |
| 1. 22 YOS, NO SHIFT | | -1 | - | - | - | - | - |
| 2. 24 YOS, NO SHIFT | | 0 | - | - | - | - | - |
| 3. 30 YOS, NO SHIFT | | -2 | - | - | - | - | - |
| 4. 22 YOS, SHIFT | | -13 | - | - | - | - | - |
| 5. 24 YOS, SHIFT | | -16 | - | - | - | - | - |
| 6. 30 YOS, SHIFT | | -20 | - | - | - | - | - |
| C. RMA | | -6 | - | - | - | - | - |
| D. USRBA | LOAN | -6 | -2 | - | - | - | - |
| E. PPSSCC | | | | | | | |
| 1. OSD 24B | | -21 | - | - | - | - | - |
| 2. USAF 1.9% | | -21 | - | - | - | - | - |

NOTE: COLUMNS HEADED "W/O" DON'T INCLUDE REALLOCATION; COLUMNS HEADED "WITH" DO.

REFERENCE NUMBER: 2

RETMT OPTION: TERM PAY
EARLY W/D OPTION: NONE
SOURCE: ACOL A/B

COSTS IN \$ MILLIONS

| SERVICE: | ARMY | NAVY | MARINE CORPS | AIR FORCE | DOD |
|----------------------------|-------|-------|--------------|-----------|-------|
| OFFICER COSTS: | | | | | |
| GAIN----- | 266 | 1596 | 460 | 824 | 3146 |
| MAINTENANCE----- | 2594 | 1857 | 513 | 3077 | 8041 |
| S & I----- | 120 | 113 | 5 | 150 | 388 |
| LOSS (NON-RETI)----- | 40 | 31 | 10 | 43 | 124 |
| **FIXED GAIN COST----- | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, FORCE COSTS----- | 3020 | 3597 | 988 | 4094 | 11699 |
| RETIREMENT----- | 1487 | 1108 | 305 | 2182 | 5082 |
| EARLY WITHDRAWAL----- | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, RETIREMENT----- | 1487 | 1108 | 305 | 2182 | 5082 |
| SUBTOTAL, TOTAL COST----- | 4507 | 4705 | 1293 | 6276 | 16781 |
| ENLISTED COSTS: | | | | | |
| GAIN----- | 884 | 507 | 371 | 550 | 2312 |
| MAINTENANCE----- | 9886 | 7033 | 2592 | 7311 | 26922 |
| S & I----- | 372 | 489 | 48 | 123 | 1032 |
| LOSS (NON-RETI)----- | 177 | 122 | 56 | 105 | 460 |
| **FIXED GAIN COST----- | 0 | 0 | 0 | 0 | 2040 |
| SUBTOTAL, FORCE COSTS----- | 11419 | 8151 | 3067 | 8089 | 32766 |
| RETIREMENT----- | 3687 | 2218 | 648 | 3524 | 10077 |
| EARLY WITHDRAWAL----- | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, RETIREMENT----- | 3687 | 2218 | 648 | 3524 | 10077 |
| SUBTOTAL, TOTAL COST----- | 15106 | 10369 | 3715 | 11613 | 42843 |
| TOTAL (OFF+ENL.) COSTS: | | | | | |
| GAIN----- | 1150 | 2103 | 831 | 1374 | 5458 |
| MAINTENANCE----- | 12580 | 8890 | 3105 | 10388 | 34963 |
| S & I----- | 492 | 602 | 53 | 273 | 1420 |
| LOSS (NON-RETI)----- | 217 | 153 | 66 | 148 | 584 |
| **FIXED GAIN COST----- | 0 | 0 | 0 | 0 | 2040 |
| SUBTOTAL, FORCE COSTS----- | 14439 | 11748 | 4055 | 12183 | 44465 |
| RETIREMENT----- | 5174 | 3326 | 953 | 5706 | 15159 |
| EARLY WITHDRAWAL----- | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, RETIREMENT----- | 5174 | 3326 | 953 | 5706 | 15159 |
| SUBTOTAL, TOTAL COST----- | 19613 | 15074 | 5008 | 17889 | 59624 |

NOTE: ON ALL ACOL RUNS, THE SERVICE TOTALS
DO NOT INCLUDE FIXED GAIN COSTS; THE
AMOUNT FOR FIXED GAIN COSTS, IF ANY,
INCLUDES OFFICER COSTS AS WELL.

REFERENCE NUMBER: 3

RETIPT OPTION: HIGH 3
 EARLY W/D OPTION: NONE
 SOURCE: ACOL A

COSTS IN \$ MILLIONS

| SERVICE: | ARMY | NAVY | MARINE CORPS | AIR FORCE | DOD |
|----------------------------|-------|-------|--------------|-----------|-------|
| OFFICER COSTS: | | | | | |
| GAIN----- | 269 | 1601 | 466 | 838 | 3174 |
| MAINTENANCE----- | 2589 | 1861 | 511 | 3064 | 8025 |
| S & I----- | 91 | 176 | 12 | 188 | 467 |
| LOSS (NON-RETIPT)----- | 41 | 31 | 10 | 44 | 126 |
| **FIXED GAIN COST----- | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, FORCE COSTS----- | 2990 | 3669 | 999 | 4134 | 11792 |
| RETIPT----- | 1428 | 1066 | 294 | 2075 | 4863 |
| EARLY WITHDRAWAL----- | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, RETIREMENT----- | 1428 | 1066 | 294 | 2075 | 4863 |
| SUBTOTAL, TOTAL COST----- | 4418 | 4735 | 1293 | 6209 | 16655 |
| ENLISTED COSTS: | | | | | |
| GAIN----- | 894 | 512 | 374 | 559 | 2339 |
| MAINTENANCE----- | 9907 | 6993 | 2576 | 7239 | 26715 |
| S & I----- | 374 | 486 | 47 | 124 | 1031 |
| LOSS (NON-RETIPT)----- | 179 | 123 | 56 | 106 | 464 |
| **FIXED GAIN COST----- | 0 | 0 | 0 | 0 | 2040 |
| SUBTOTAL, FORCE COSTS----- | 11354 | 8114 | 3053 | 8028 | 32589 |
| RETIPT----- | 3461 | 2093 | 599 | 3302 | 9455 |
| EARLY WITHDRAWAL----- | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, RETIREMENT----- | 3461 | 2093 | 599 | 3302 | 9455 |
| SUBTOTAL, TOTAL COST----- | 14815 | 10207 | 3652 | 11330 | 42044 |
| TOTAL (OFF+ENL) COSTS: | | | | | |
| GAIN----- | 1163 | 2113 | 840 | 1397 | 5513 |
| MAINTENANCE----- | 12496 | 8854 | 3087 | 10303 | 34740 |
| S & I----- | 465 | 662 | 59 | 312 | 1498 |
| LOSS (NON-RETIPT)----- | 220 | 154 | 66 | 150 | 590 |
| **FIXED GAIN COST----- | 0 | 0 | 0 | 0 | 2040 |
| SUBTOTAL, FORCE COSTS----- | 14344 | 11783 | 4052 | 12162 | 44381 |
| RETIPT----- | 4889 | 3159 | 893 | 5377 | 14318 |
| EARLY WITHDRAWAL----- | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, RETIREMENT----- | 4889 | 3159 | 893 | 5377 | 14318 |
| SUBTOTAL, TOTAL COST----- | 19233 | 14942 | 4945 | 17539 | 58699 |

NOTE: ON ALL ACOL RUNS, THE SERVICE TOTALS
 DO NOT INCLUDE FIXED GAIN COSTS; THE
 AMOUNT FOR FIXED GAIN COSTS, IF ANY,
 INCLUDES OFFICER COSTS AS WELL.

REFERENCE NUMBER: 4

REMIT OPTION: DEC 10%
 EARLY W/D OPTION: NONE
 SOURCE: ACOL A

COSTS IN \$ MILLIONS

| SERVICE: | ARMY | NAVY | MARINE CORPS | AIR FORCE | DOD |
|-------------------------------|-------|-------|--------------|-----------|-------|
| OFFICER COSTS: | | | | | |
| GAIN----- | 279 | 1667 | 481 | 876 | 3303 |
| MAINTENANCE----- | 2552 | 1834 | 506 | 3023 | 7915 |
| S & I----- | 90 | 174 | 12 | 187 | 463 |
| LOSS (NON-REMIT)----- | 42 | 53 | 10 | 46 | 131 |
| **FIXED GAIN COST----- | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, FORCE COSTS----- | 2963 | 3708 | 1009 | 4132 | 11812 |
| RETIREMENT----- | 1234 | 925 | 257 | 1814 | 4230 |
| EARLY WITHDRAWAL----- | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, RETIREMENT----- | 1234 | 925 | 257 | 1814 | 4230 |
| SUBTOTAL, TOTAL COST----- | 4197 | 4633 | 1266 | 5946 | 16042 |
| ENLISTED COSTS: | | | | | |
| GAIN----- | 918 | 523 | 384 | 572 | 2397 |
| MAINTENANCE----- | 9800 | 6929 | 2541 | 7172 | 26442 |
| S & I----- | 378 | 476 | 44 | 123 | 1021 |
| LOSS (NON-REMIT)----- | 184 | 126 | 58 | 109 | 477 |
| **FIXED GAIN COST----- | 0 | 0 | 0 | 0 | 2040 |
| SUBTOTAL, FORCE COSTS----- | 11280 | 8054 | 3027 | 7976 | 32377 |
| RETIREMENT----- | 2889 | 1755 | 479 | 2840 | 7963 |
| EARLY WITHDRAWAL----- | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, RETIREMENT----- | 2889 | 1755 | 479 | 2840 | 7963 |
| SUBTOTAL, TOTAL COST----- | 14169 | 9809 | 3506 | 10816 | 40340 |
| TOTAL (OFF+EML) COSTS: | | | | | |
| GAIN----- | 1197 | 2190 | 865 | 1448 | 5700 |
| MAINTENANCE----- | 12352 | 8763 | 3047 | 10195 | 34357 |
| S & I----- | 468 | 650 | 56 | 310 | 1484 |
| LOSS (NON-REMIT)----- | 226 | 159 | 68 | 155 | 608 |
| **FIXED GAIN COST----- | 0 | 0 | 0 | 0 | 2040 |
| SUBTOTAL, FORCE COSTS----- | 14243 | 11762 | 4036 | 12108 | 44189 |
| RETIREMENT----- | 4123 | 2680 | 736 | 4654 | 12193 |
| EARLY WITHDRAWAL----- | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, RETIREMENT----- | 4123 | 2680 | 736 | 4654 | 12193 |
| SUBTOTAL, TOTAL COST----- | 18366 | 14442 | 4772 | 16762 | 56382 |

NOTE: ON ALL ACOL RUNS, THE SERVICE TOTALS
 DO NOT INCLUDE FIXED GAIN COSTS; THE
 AMOUNT FOR FIXED GAIN COSTS, IF ANY,
 INCLUDES OFFICER COSTS AS WELL.

REFERENCE NUMBER: 5
 RETMT OPTION: DEC 20%
 EARLY W/D OPTION: NONE
 SOURCE: ACOL A

COSTS IN \$ MILLIONS

| SERVICE: | ARMY | NAVY | MARINE CORPS | AIR FORCE | DOD |
|----------------------------|-------|-------|--------------|-----------|-------|
| OFFICER COSTS: | | | | | |
| GAIN----- | 290 | 1737 | 497 | 907 | 3431 |
| MAINTENANCE----- | 2515 | 1808 | 500 | 2983 | 7806 |
| S & I----- | 90 | 171 | 11 | 185 | 457 |
| LOSS (NON-RETMT)----- | 44 | 34 | 10 | 48 | 136 |
| **FIXED GAIN COST----- | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, FORCE COSTS----- | 2939 | 3750 | 1018 | 4123 | 11830 |
| RETIREMENT----- | 1046 | 788 | 220 | 1559 | 3613 |
| EARLY WITHDRAWAL----- | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, RETIREMENT----- | 1046 | 788 | 220 | 1559 | 3613 |
| SUBTOTAL, TOTAL COST----- | 3985 | 4538 | 1238 | 5682 | 15443 |
| ENLISTED COSTS: | | | | | |
| GAIN----- | 942 | 535 | 394 | 582 | 2453 |
| MAINTENANCE----- | 9701 | 6868 | 2509 | 7121 | 26199 |
| S & I----- | 381 | 466 | 41 | 123 | 1011 |
| LOSS (NON-RETMT)----- | 189 | 129 | 59 | 111 | 488 |
| **FIXED GAIN COST----- | 0 | 0 | 0 | 0 | 2040 |
| SUBTOTAL, FORCE COSTS----- | 11213 | 7998 | 3003 | 7937 | 32191 |
| RETIREMENT----- | 2370 | 1448 | 374 | 2425 | 6617 |
| EARLY WITHDRAWAL----- | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, RETIREMENT----- | 2370 | 1448 | 374 | 2425 | 6617 |
| SUBTOTAL, TOTAL COST----- | 13583 | 9446 | 3377 | 10362 | 38808 |
| TOTAL (OFF+ENL) COSTS: | | | | | |
| GAIN----- | 1232 | 2272 | 891 | 1489 | 5884 |
| MAINTENANCE----- | 12216 | 8676 | 3009 | 10104 | 34005 |
| S & I----- | 471 | 637 | 52 | 308 | 1468 |
| LOSS (NON-RETMT)----- | 233 | 163 | 69 | 159 | 624 |
| **FIXED GAIN COST----- | 0 | 0 | 0 | 0 | 2040 |
| SUBTOTAL, FORCE COSTS----- | 14152 | 11748 | 4021 | 12060 | 44021 |
| RETIREMENT----- | 3416 | 2236 | 594 | 3984 | 10230 |
| EARLY WITHDRAWAL----- | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, RETIREMENT----- | 3416 | 2236 | 594 | 3984 | 10230 |
| SUBTOTAL, TOTAL COST----- | 17568 | 13984 | 4615 | 16044 | 54251 |

NOTE: ON ALL ACOL RUNS, THE SERVICE TOTALS
 DO NOT INCLUDE FIXED GAIN COSTS; THE
 AMOUNT FOR FIXED GAIN COSTS, IF ANY,
 INCLUDES OFFICER COSTS AS WELL.

REFERENCE NUMBER: 6

RETM OPTION: DEC 20%
 EARLY W/D OPTION: 150--30--70
 SOURCE: ACOL A

COSTS IN \$ MILLIONS

| OFFICER COSTS: | SERVICE: | ARMY | NAVY | MARINE CORPS | AIR FORCE | DOD |
|----------------------------|----------|-------|-------|--------------|-----------|-------|
| GAIN----- | ----- | 264 | 1581 | 460 | 827 | 3132 |
| MAINTENANCE----- | ----- | 2599 | 1866 | 511 | 3067 | 8043 |
| S & I----- | ----- | 91 | 177 | 12 | 189 | 469 |
| LOSS (NON-RETM)----- | ----- | 40 | 31 | 10 | 43 | 124 |
| **FIXED GAIN COST----- | ----- | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, FORCE COSTS----- | ----- | 2994 | 3655 | 993 | 4126 | 11768 |
| RETIREMENT----- | ----- | 1160 | 859 | 238 | 1677 | 3934 |
| EARLY WITHDRAWAL----- | ----- | 113 | 90 | 21 | 159 | 383 |
| SUBTOTAL, RETIREMENT----- | ----- | 1273 | 949 | 259 | 1836 | 4317 |
| SUBTOTAL, TOTAL COST----- | ----- | 4267 | 4604 | 1252 | 5962 | 16085 |
| ENLISTED COSTS: | ----- | ----- | ----- | ----- | ----- | ----- |
| GAIN----- | ----- | 885 | 508 | 371 | 554 | 2318 |
| MAINTENANCE----- | ----- | 9949 | 7018 | 2588 | 7266 | 26821 |
| S & I----- | ----- | 373 | 489 | 48 | 124 | 1034 |
| LOSS (NON-RETM)----- | ----- | 177 | 122 | 56 | 106 | 461 |
| **FIXED GAIN COST----- | ----- | 0 | 0 | 0 | 0 | 2040 |
| SUBTOTAL, FORCE COSTS----- | ----- | 11384 | 8137 | 3043 | 8050 | 32674 |
| RETIREMENT----- | ----- | 2837 | 1710 | 471 | 2681 | 7719 |
| EARLY WITHDRAWAL----- | ----- | 298 | 168 | 54 | 290 | 810 |
| SUBTOTAL, RETIREMENT----- | ----- | 3135 | 1878 | 545 | 2971 | 8529 |
| SUBTOTAL, TOTAL COST----- | ----- | 14519 | 10015 | 3608 | 11021 | 41203 |
| TOTAL (OFF+ENL) COSTS: | ----- | ----- | ----- | ----- | ----- | ----- |
| GAIN----- | ----- | 1149 | 2089 | 831 | 1381 | 5450 |
| MAINTENANCE----- | ----- | 12246 | 8884 | 3099 | 10333 | 34864 |
| S & I----- | ----- | 464 | 666 | 60 | 313 | 1503 |
| LOSS (NON-RETM)----- | ----- | 217 | 153 | 66 | 149 | 585 |
| **FIXED GAIN COST----- | ----- | 0 | 0 | 0 | 0 | 2040 |
| SUBTOTAL, FORCE COSTS----- | ----- | 14378 | 11792 | 4056 | 12176 | 44442 |
| RETIREMENT----- | ----- | 3997 | 2569 | 729 | 4358 | 11653 |
| EARLY WITHDRAWAL----- | ----- | 411 | 258 | 75 | 449 | 1193 |
| SUBTOTAL, RETIREMENT----- | ----- | 4408 | 2827 | 804 | 4807 | 12846 |
| SUBTOTAL, TOTAL COST----- | ----- | 18786 | 14619 | 4860 | 16983 | 57288 |

NOTE: ON ALL ACOL RUNS, THE SERVICE TOTALS
 DO NOT INCLUDE FIXED GAIN COSTS; THE
 AMOUNT FOR FIXED GAIN COSTS, IF ANY,
 INCLUDES OFFICER COSTS AS WELL.

REFERENCE NUMBER: 7

RETMT OPTION: DEC 30%
 EARLY W/D OPTION: NONE
 SOURCE: ACOL A

COSTS IN \$ MILLIONS

| OFFICER COSTS: | SERVICE: | ARMY | NAVY | CORPS | AIR | FORCE | DOD |
|----------------------------|----------|-------|-------|-------|-------|-------|-----|
| GAIN----- | ----- | 301 | 1811 | 513 | 945 | 3570 | |
| MAINTENANCE----- | ----- | 2475 | 1779 | 495 | 2942 | 7691 | |
| S & I----- | ----- | 89 | 167 | 11 | 183 | 450 | |
| LOSS (NON-RETMT)----- | ----- | 46 | 35 | 11 | 50 | 142 | |
| **FIXED GAIN COST----- | ----- | 0 | 0 | 0 | 0 | 0 | |
| SUBTOTAL, FORCE COSTS----- | ----- | 2911 | 3792 | 1030 | 4120 | 11853 | |
| RETIREMENT----- | ----- | 862 | 657 | 186 | 1311 | 3016 | |
| EARLY WITHDRAWAL----- | ----- | 0 | 0 | 0 | 0 | 0 | |
| SUBTOTAL, RETIREMENT----- | ----- | 862 | 657 | 186 | 1311 | 3016 | |
| SUBTOTAL, TOTAL COST----- | ----- | 3773 | 4449 | 1216 | 5431 | 14869 | |
| ENLISTED COSTS: | ----- | | | | | | |
| GAIN----- | ----- | 963 | 546 | 402 | 591 | 2502 | |
| MAINTENANCE----- | ----- | 9615 | 6812 | 2481 | 7074 | 25982 | |
| S & I----- | ----- | 383 | 456 | 39 | 123 | 1001 | |
| LOSS (NON-RETMT)----- | ----- | 193 | 131 | 60 | 113 | 497 | |
| **FIXED GAIN COST----- | ----- | 0 | 0 | 0 | 0 | 2040 | |
| SUBTOTAL, FORCE COSTS----- | ----- | 11154 | 7945 | 2982 | 7901 | 32022 | |
| RETIREMENT----- | ----- | 1909 | 1168 | 285 | 2033 | 5395 | |
| EARLY WITHDRAWAL----- | ----- | 0 | 0 | 0 | 0 | 0 | |
| SUBTOTAL, RETIREMENT----- | ----- | 1909 | 1168 | 285 | 2033 | 5395 | |
| SUBTOTAL, TOTAL COST----- | ----- | 13063 | 9113 | 3267 | 9934 | 37417 | |
| TOTAL (OFF+ENL) COSTS: | ----- | | | | | | |
| GAIN----- | ----- | 1264 | 2357 | 915 | 1536 | 6072 | |
| MAINTENANCE----- | ----- | 12090 | 8591 | 2976 | 10016 | 33673 | |
| S & I----- | ----- | 472 | 623 | 50 | 306 | 1451 | |
| LOSS (NON-RETMT)----- | ----- | 239 | 166 | 71 | 163 | 639 | |
| **FIXED GAIN COST----- | ----- | 0 | 0 | 0 | 0 | 2040 | |
| SUBTOTAL, FORCE COSTS----- | ----- | 14065 | 11737 | 4012 | 12021 | 43875 | |
| RETIREMENT----- | ----- | 2771 | 1825 | 471 | 3364 | 8411 | |
| EARLY WITHDRAWAL----- | ----- | 0 | 0 | 0 | 0 | 0 | |
| SUBTOTAL, RETIREMENT----- | ----- | 2771 | 1825 | 471 | 3364 | 8411 | |
| SUBTOTAL, TOTAL COST----- | ----- | 16836 | 13562 | 4483 | 15365 | 52286 | |

NOTE: ON ALL ACOL RUNS, THE SERVICE TOTALS
 DO NOT INCLUDE FIXED GAIN COSTS; THE
 AMOUNT FOR FIXED GAIN COSTS, IF ANY,
 INCLUDES OFFICER COSTS AS WELL.

RETMT OPTION:
EARLY W/D OPTION:
SOURCE:
DEC 30%
210--0--0
ACOLA

COSTS IN \$ MILLIONS

| OFFICER COSTS: | | ARMY | NAVY | MARINE CORPS | AIR FORCE | DOD |
|----------------------------|--|-------|-------|--------------|-----------|-------|
| GAIN----- | | 272 | 1624 | 472 | 852 | 3220 |
| MAINTENANCE----- | | 2554 | 1836 | 505 | 3020 | 7915 |
| S & I----- | | 91 | 178 | 12 | 188 | 469 |
| LOSS (NON-RETM)----- | | 41 | 32 | 10 | 45 | 128 |
| **FIXED GAIN COST----- | | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, FORCE COSTS----- | | 2958 | 3670 | 999 | 4105 | 11732 |
| RETIREMENT----- | | 1003 | 748 | 206 | 1457 | 3414 |
| EARLY WITHDRAWAL----- | | 124 | 59 | 24 | 183 | 430 |
| SUBTOTAL, RETIREMENT----- | | 1127 | 847 | 230 | 1640 | 3844 |
| SUBTOTAL, TOTAL COST----- | | 4085 | 4517 | 1229 | 5745 | 15516 |
| ENLISTED COSTS: | | | | | | |
| GAIN----- | | 895 | 512 | 374 | 562 | 2343 |
| MAINTENANCE----- | | 9855 | 6963 | 2565 | 7181 | 26564 |
| S & I----- | | 376 | 487 | 48 | 125 | 1036 |
| LOSS (NON-RETM)----- | | 179 | 123 | 56 | 107 | 465 |
| **FIXED GAIN COST----- | | 0 | 0 | 0 | 0 | 2040 |
| SUBTOTAL, FORCE COSTS----- | | 11305 | 8085 | 3043 | 7975 | 32448 |
| RETIREMENT----- | | 2408 | 1456 | 415 | 2285 | 6564 |
| EARLY WITHDRAWAL----- | | 384 | 215 | 68 | 374 | 1941 |
| SUBTOTAL, RETIREMENT----- | | 2792 | 1671 | 483 | 2659 | 7635 |
| SUBTOTAL, TOTAL COST----- | | 14097 | 9756 | 3526 | 10634 | 40053 |
| TOTAL (OFF+ENL) COSTS: | | | | | | |
| GAIN----- | | 1167 | 2136 | 846 | 1414 | 5563 |
| MAINTENANCE----- | | 12409 | 8799 | 3070 | 10201 | 34479 |
| S & I----- | | 467 | 665 | 60 | 313 | 1505 |
| LOSS (NON-RETM)----- | | 220 | 155 | 66 | 152 | 593 |
| **FIXED GAIN COST----- | | 0 | 0 | 0 | 0 | 2040 |
| SUBTOTAL, FORCE COSTS----- | | 14263 | 11755 | 4042 | 12080 | 44160 |
| RETIREMENT----- | | 3411 | 2204 | 621 | 3742 | 9978 |
| EARLY WITHDRAWAL----- | | 508 | 314 | 92 | 557 | 1471 |
| SUBTOTAL, RETIREMENT----- | | 3919 | 2518 | 713 | 4299 | 11449 |
| SUBTOTAL, TOTAL COST----- | | 18182 | 14273 | 4755 | 16379 | 55629 |

NOTE: ON ALL ACOL RUNS, THE SERVICE TOTALS DO NOT INCLUDE FIXED GAIN COSTS; THE AMOUNT FOR FIXED GAIN COSTS, IF ANY, INCLUDES OFFICER COSTS AS WELL.

REFERENCE NUMBER: 9

RETMT OPTION: DEC 30%
 EARLY W/D OPTION: 210--60--100
 SOURCE: ACOL A

COSTS IN \$ MILLIONS

| OFFICER COSTS: | SERVICE: | ARMY | NAVY | MARINE CORPS | AIR FORCE | DOD |
|----------------------------|----------|-------|-------|--------------|-----------|-------|
| GAIN----- | | 259 | 1552 | 450 | 814 | 3075 |
| MAINTENANCE----- | | 2617 | 1880 | 517 | 3082 | 8096 |
| S & I----- | | 92 | 177 | 12 | 189 | 470 |
| LOSS (NON-RETMT)----- | | 39 | 30 | 9 | 43 | 121 |
| **FIXED GAIN COST----- | | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, FORCE COSTS----- | | 3007 | 3639 | 988 | 4128 | 11762 |
| RETIREMENT----- | | 1025 | 757 | 211 | 1478 | 3471 |
| EARLY WITHDRAWAL----- | | 171 | 135 | 32 | 237 | 575 |
| SUBTOTAL, RETIREMENT----- | | 1196 | 892 | 243 | 1715 | 4046 |
| SUBTOTAL, TOTAL COST----- | | 4203 | 4531 | 1231 | 5843 | 15808 |
| ENLISTED COSTS: | | | | | | |
| GAIN----- | | 881 | 506 | 370 | 548 | 2305 |
| MAINTENANCE----- | | 9999 | 7048 | 2595 | 7334 | 26976 |
| S & I----- | | 372 | 490 | 48 | 124 | 1034 |
| LOSS (NON-RETMT)----- | | 176 | 122 | 56 | 105 | 459 |
| **FIXED GAIN COST----- | | 0 | 0 | 0 | 0 | 2040 |
| SUBTOTAL, FORCE COSTS----- | | 11428 | 8166 | 3069 | 8111 | 32814 |
| RETIREMENT----- | | 2517 | 1516 | 431 | 2394 | 6858 |
| EARLY WITHDRAWAL----- | | 442 | 249 | 79 | 436 | 1206 |
| SUBTOTAL, RETIREMENT----- | | 2959 | 1765 | 510 | 2830 | 8064 |
| SUBTOTAL, TOTAL COST----- | | 14387 | 9931 | 3579 | 10941 | 40878 |
| TOTAL (OFF+ENL) COSTS: | | | | | | |
| GAIN----- | | 1140 | 2058 | 820 | 1362 | 5380 |
| MAINTENANCE----- | | 12616 | 8928 | 3112 | 10416 | 35072 |
| S & I----- | | 464 | 667 | 60 | 313 | 1504 |
| LOSS (NON-RETMT)----- | | 215 | 152 | 65 | 148 | 580 |
| **FIXED GAIN COST----- | | 0 | 0 | 0 | 0 | 2040 |
| SUBTOTAL, FORCE COSTS----- | | 14435 | 11805 | 4057 | 12239 | 44576 |
| RETIREMENT----- | | 3542 | 2273 | 642 | 3872 | 10329 |
| EARLY WITHDRAWAL----- | | 613 | 384 | 111 | 673 | 1781 |
| SUBTOTAL, RETIREMENT----- | | 4155 | 2657 | 753 | 4545 | 12110 |
| SUBTOTAL, TOTAL COST----- | | 18590 | 14462 | 4810 | 16784 | 56686 |

NOTE: ON ALL ACOL RUNS, THE SERVICE TOTALS
 DO NOT INCLUDE FIXED GAIN COSTS; THE
 AMOUNT FOR FIXED GAIN COSTS, IF ANY,
 INCLUDES OFFICER COSTS AS WELL.

REFERENCE NUMBER: 10

RETM OPTION: DEC 40%
 EARLY W/D OPTION: NONE
 SOURCE: ACOL A

COSTS IN \$ MILLIONS

| OFFICER COSTS: | SERVICE: | ARMY | NAVY | MARINE CORPS | AIR FORCE | DOD |
|----------------------------|----------|------|------|--------------|-----------|-------|
| GAIN----- | | 313 | 1888 | 530 | 984 | 3715 |
| MAINTENANCE----- | | 2435 | 1751 | 489 | 2901 | 7576 |
| S & I----- | | 88 | 164 | 11 | 181 | 444 |
| LOSS (NON-RETM)----- | | 47 | 37 | 11 | 52 | 147 |
| **FIXED GAIN COST----- | | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, FORCE COSTS----- | | 2883 | 3840 | 1041 | 4118 | 11882 |
| RETIREMENT----- | | 688 | 534 | 121 | 1074 | 2417 |
| EARLY WITHDRAWAL----- | | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, RETIREMENT----- | | 688 | 534 | 121 | 1074 | 2417 |
| SUBTOTAL, TOTAL COST----- | | 3571 | 4374 | 1162 | 5192 | 14299 |

ENLISTED COSTS:

| | | | | | |
|----------------------------|-------|------|------|------|-------|
| GAIN----- | 978 | 554 | 411 | 599 | 2542 |
| MAINTENANCE----- | 9545 | 6766 | 2454 | 7032 | 25797 |
| S & I----- | 385 | 448 | 35 | 123 | 992 |
| LOSS (NON-RETM)----- | 196 | 133 | 62 | 114 | 505 |
| **FIXED GAIN COST----- | 0 | 0 | 0 | 0 | 2040 |
| SUBTOTAL, FORCE COSTS----- | 11104 | 7901 | 2963 | 7868 | 31876 |
| RETIREMENT----- | 1506 | 923 | 210 | 1670 | 4309 |
| EARLY WITHDRAWAL----- | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, RETIREMENT----- | 1506 | 923 | 210 | 1670 | 4309 |
| SUBTOTAL, TOTAL COST----- | 12610 | 8824 | 3173 | 9538 | 36185 |

TOTAL (OFF+ENL) COSTS:

| | | | | | |
|----------------------------|-------|-------|------|-------|-------|
| GAIN----- | 1291 | 2442 | 941 | 1583 | 6257 |
| MAINTENANCE----- | 11580 | 8517 | 2943 | 9933 | 33373 |
| S & I----- | 473 | 612 | 47 | 304 | 1436 |
| LOSS (NON-RETM)----- | 243 | 170 | 73 | 166 | 652 |
| **FIXED GAIN COST----- | 0 | 0 | 0 | 0 | 2040 |
| SUBTOTAL, FORCE COSTS----- | 13987 | 11741 | 4004 | 11986 | 43758 |
| RETIREMENT----- | 2194 | 1457 | 331 | 2744 | 6726 |
| EARLY WITHDRAWAL----- | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, RETIREMENT----- | 2194 | 1457 | 331 | 2744 | 6726 |
| SUBTOTAL, TOTAL COST----- | 16181 | 13198 | 4335 | 14730 | 50484 |

NOTE: ON ALL ACOL RUNS, THE SERVICE TOTALS
 DO NOT INCLUDE FIXED GAIN COSTS; THE
 AMOUNT FOR FIXED GAIN COSTS, IF ANY,
 INCLUDES OFFICER COSTS AS WELL.

REFERENCE NUMBER: 11

REIMT OPTION: DEC 50%
 EARLY W/D OPTION: NONE
 SOURCE: ACOL A

COSTS IN \$ MILLIONS

| OFFICER COSTS: | SERVICE: | ARMY | NAVY | MARINE CORPS | AIR FORCE | DOD |
|----------------------------|----------|-------|-------|--------------|-----------|-------|
| GAIN----- | ----- | 325 | 1968 | 546 | 1023 | 3862 |
| MAINTENANCE----- | ----- | 2397 | 1722 | 484 | 2861 | 7464 |
| S & I----- | ----- | 88 | 159 | 11 | 178 | 436 |
| LOSS (NON-REIMT)----- | ----- | 49 | 38 | 11 | 54 | 152 |
| **FIXED GAIN COST----- | ----- | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, FORCE COSTS----- | ----- | 2859 | 3887 | 1052 | 4116 | 11914 |
| RETIREMENT----- | ----- | 528 | 418 | 121 | 853 | 1920 |
| EARLY WITHDRAWAL----- | ----- | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, RETIREMENT----- | ----- | 528 | 418 | 121 | 853 | 1920 |
| SUBTOTAL, TOTAL COST----- | ----- | 3387 | 4305 | 1173 | 4969 | 13834 |
| ENLISTED COSTS: | ----- | | | | | |
| GAIN----- | ----- | 992 | 562 | 419 | 606 | 2579 |
| MAINTENANCE----- | ----- | 9480 | 6725 | 2431 | 6994 | 25630 |
| S & I----- | ----- | 387 | 442 | 34 | 123 | 986 |
| LOSS (NON-REIMT)----- | ----- | 198 | 135 | 63 | 116 | 512 |
| **FIXED GAIN COST----- | ----- | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, FORCE COSTS----- | ----- | 11057 | 7864 | 2947 | 7839 | 31747 |
| RETIREMENT----- | ----- | 1148 | 707 | 149 | 1331 | 3335 |
| EARLY WITHDRAWAL----- | ----- | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, RETIREMENT----- | ----- | 1148 | 707 | 149 | 1331 | 3335 |
| SUBTOTAL, TOTAL COST----- | ----- | 12205 | 8571 | 3096 | 9170 | 35082 |
| TOTAL (OFF+ENL) COSTS: | ----- | | | | | |
| GAIN----- | ----- | 1317 | 2530 | 965 | 1629 | 6441 |
| MAINTENANCE----- | ----- | 11877 | 8447 | 2915 | 9855 | 33094 |
| S & I----- | ----- | 475 | 601 | 45 | 301 | 1422 |
| LOSS (NON-REIMT)----- | ----- | 247 | 173 | 74 | 170 | 664 |
| **FIXED GAIN COST----- | ----- | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, FORCE COSTS----- | ----- | 13916 | 11751 | 3999 | 11955 | 43661 |
| RETIREMENT----- | ----- | 1676 | 1125 | 270 | 2184 | 5255 |
| EARLY WITHDRAWAL----- | ----- | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, RETIREMENT----- | ----- | 1676 | 1125 | 270 | 2184 | 5255 |
| SUBTOTAL, TOTAL COST----- | ----- | 15592 | 12876 | 4269 | 14139 | 48916 |

NOTE: ON ALL ACOL RJMS, THE SERVICE TOTALS
 DO NOT INCLUDE FIXED GAIN COSTS; THE
 AMOUNT FOR FIXED GAIN COSTS, IF ANY,
 INCLUDES OFFICER COSTS AS WELL.

REFERENCE NUMBER: 12
 RETMT OPTION: 1% PENALTY
 EARLY W/D OPTION: NONE
 SOURCE: ACOL A

COSTS IN \$ MILLIONS

| OFFICER COSTS: | SERVICE: | ARMY | NAVY | MARINE CORPS | AIR FORCE | DOD |
|----------------------------|----------|-------|-------|--------------|-----------|-------|
| GAIN----- | | 274 | 1649 | 475 | 854 | 3243 |
| MAINTENANCE----- | | 2579 | 1854 | 510 | 3056 | 7999 |
| S & I----- | | 91 | 173 | 12 | 187 | 463 |
| LOSS (NON-RETM)----- | | 39 | 32 | 10 | 45 | 126 |
| **FIXED GAIN COST----- | | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, FORCE COSTS----- | | 2983 | 3699 | 1007 | 4142 | 11831 |
| RETIREMENT----- | | 1320 | 985 | 274 | 1923 | 4502 |
| EARLY WITHDRAWAL----- | | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, RETIREMENT----- | | 1320 | 985 | 274 | 1923 | 4502 |
| SUBTOTAL, TOTAL COST----- | | 4303 | 4684 | 1281 | 6065 | 16333 |
| ENLISTED COSTS: | | | | | | |
| GAIN----- | | 913 | 521 | 383 | 568 | 2385 |
| MAINTENANCE----- | | 9847 | 6958 | 2553 | 7215 | 26573 |
| S & I----- | | 376 | 477 | 44 | 123 | 1020 |
| LOSS (NON-RETM)----- | | 183 | 125 | 57 | 108 | 473 |
| **FIXED GAIN COST----- | | 0 | 0 | 0 | 0 | 2040 |
| SUBTOTAL, FORCE COSTS----- | | 11319 | 8081 | 3037 | 8014 | 32491 |
| RETIREMENT----- | | 3011 | 1856 | 507 | 2948 | 8322 |
| EARLY WITHDRAWAL----- | | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, RETIREMENT----- | | 3011 | 1856 | 507 | 2948 | 8322 |
| SUBTOTAL, TOTAL COST----- | | 14330 | 9937 | 3544 | 10962 | 40813 |
| TOTAL (OFF+ENL) COSTS: | | | | | | |
| GAIN----- | | 1187 | 2161 | 858 | 1422 | 5628 |
| MAINTENANCE----- | | 12426 | 8812 | 3063 | 10271 | 34572 |
| S & I----- | | 467 | 650 | 56 | 310 | 1483 |
| LOSS (NON-RETM)----- | | 222 | 157 | 67 | 153 | 599 |
| **FIXED GAIN COST----- | | 0 | 0 | 0 | 0 | 2040 |
| SUBTOTAL, FORCE COSTS----- | | 14302 | 11780 | 4044 | 12156 | 44322 |
| RETIREMENT----- | | 4331 | 2841 | 781 | 4871 | 12824 |
| EARLY WITHDRAWAL----- | | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, RETIREMENT----- | | 4331 | 2841 | 781 | 4871 | 12824 |
| SUBTOTAL, TOTAL COST----- | | 18633 | 14621 | 4825 | 17027 | 57146 |

NOTE: ON ALL ACOL RUNS, THE SERVICE TOTALS
 DO NOT INCLUDE FIXED GAIN COSTS; THE
 AMOUNT FOR FIXED GAIN COSTS, IF ANY,
 INCLUDES OFFICER COSTS AS WELL.

REFERENCE NUMBER: 13

REMIT OPTION: 1% PEN
 EARLY W/D OPTION: 90--0--0
 SOURCE: ACOL A

COSTS IN \$ MILLIONS

| | | SERVICE: | | | |
|----------------------------|--|----------|-------|--------------|---------------|
| | | ARMY | NAVY | MARINE CORPS | AIR FORCE DOD |
| OFFICER COSTS: | | | | | |
| GAIN----- | | 263 | 1567 | 457 | 819 3106 |
| MAINTENANCE----- | | 2610 | 1878 | 515 | 3088 8091 |
| S & I----- | | 91 | 177 | 12 | 189 469 |
| LOSS (NON-REMIT)----- | | 37 | 31 | 10 | 43 121 |
| **FIXED GAIN COST----- | | 0 | 0 | 0 | 0 0 |
| SUBTOTAL, FORCE COSTS----- | | 3001 | 3553 | 994 | 4139 11787 |
| RETIREMENT----- | | 1386 | 1029 | 283 | 1995 4693 |
| EARLY WITHDRAWAL----- | | 52 | 10 | 77 | 181 |
| SUBTOTAL, RETIREMENT----- | | 1438 | 1071 | 293 | 2072 4874 |
| SUBTOTAL, TOTAL COST----- | | 4439 | 4724 | 1287 | 6211 16661 |
| ENLISTED COSTS: | | | | | |
| GAIN----- | | 883 | 506 | 370 | 552 2311 |
| MAINTENANCE----- | | 9959 | 7026 | 2594 | 7272 26851 |
| S & I----- | | 373 | 490 | 48 | 124 1035 |
| LOSS (NON-REMIT)----- | | 177 | 122 | 55 | 105 459 |
| **FIXED GAIN COST----- | | 0 | 0 | 0 | 0 2040 |
| SUBTOTAL, FORCE COSTS----- | | 11392 | 8144 | 3067 | 8053 32696 |
| RETIREMENT----- | | 3292 | 2020 | 585 | 3101 8958 |
| EARLY WITHDRAWAL----- | | 164 | 92 | 29 | 158 443 |
| SUBTOTAL, RETIREMENT----- | | 3456 | 2112 | 614 | 3259 9441 |
| SUBTOTAL, TOTAL COST----- | | 14848 | 10256 | 3681 | 11312 42137 |
| TOTAL (OFF+ENL) COSTS: | | | | | |
| GAIN----- | | 1146 | 2073 | 827 | 1371 5417 |
| MAINTENANCE----- | | 12569 | 8904 | 3109 | 10360 34942 |
| S & I----- | | 464 | 667 | 60 | 313 1504 |
| LOSS (NON-REMIT)----- | | 214 | 153 | 65 | 148 580 |
| **FIXED GAIN COST----- | | 0 | 0 | 0 | 0 2040 |
| SUBTOTAL, FORCE COSTS----- | | 14393 | 11797 | 4061 | 12192 44483 |
| RETIREMENT----- | | 4678 | 3049 | 868 | 5096 13691 |
| EARLY WITHDRAWAL----- | | 216 | 134 | 39 | 235 624 |
| SUBTOTAL, RETIREMENT----- | | 4894 | 3183 | 907 | 5331 14315 |
| SUBTOTAL, TOTAL COST----- | | 19287 | 14980 | 4968 | 17523 58798 |

NOTE: ON ALL ACOL RUNS, THE SERVICE TOTALS
 DO NOT INCLUDE FIXED GAIN COSTS; THE
 AMOUNT FOR FIXED GAIN COSTS, IF ANY,
 INCLUDES OFFICER COSTS AS WELL.

REFERENCE NUMBER: 14
 REINT OPTION: 2% PEN
 EARLY W/D OPTION: NONE
 SOURCE: ACOL A

COSTS IN \$ MILLIONS

| OFFICER COSTS: | SERVICE: | ARMY | NAVY | MARINE CORPS | AIR FORCE | DOD |
|----------------------------|----------|-------|-------|--------------|-----------|-------|
| GAIN----- | | 277 | 1670 | 478 | 867 | 3292 |
| MAINTENANCE----- | | 2570 | 1847 | 510 | 3049 | 7976 |
| S & I----- | | 90 | 170 | 11 | 186 | 457 |
| LOSS (NON-REINT)----- | | 42 | 33 | 10 | 46 | 131 |
| **FIXED GAIN COST----- | | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, FORCE COSTS----- | | 2979 | 3720 | 1009 | 4148 | 11856 |
| RETIREMENT----- | | 1228 | 912 | 256 | 1792 | 4188 |
| EARLY WITHDRAWAL----- | | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, RETIREMENT----- | | 1228 | 912 | 256 | 1792 | 4188 |
| SUBTOTAL, TOTAL COST----- | | 4207 | 4632 | 1265 | 5940 | 16044 |
| | | | | | | |
| ENLISTED COSTS: | | 933 | 530 | 391 | 573 | 2427 |
| GAIN----- | | 9786 | 6921 | 2530 | 7202 | 26439 |
| MAINTENANCE----- | | 378 | 468 | 41 | 122 | 1009 |
| S & I----- | | 187 | 128 | 59 | 109 | 483 |
| LOSS (NON-REINT)----- | | 0 | 0 | 0 | 0 | 2040 |
| **FIXED GAIN COST----- | | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, FORCE COSTS----- | | 11284 | 8047 | 3021 | 8006 | 32398 |
| RETIREMENT----- | | 2603 | 1637 | 428 | 2633 | 7301 |
| EARLY WITHDRAWAL----- | | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, RETIREMENT----- | | 2603 | 1637 | 428 | 2633 | 7301 |
| SUBTOTAL, TOTAL COST----- | | 13887 | 9684 | 3449 | 10639 | 39699 |
| | | | | | | |
| TOTAL (OFF+EML) COSTS: | | 1210 | 2200 | 869 | 1440 | 5719 |
| GAIN----- | | 12356 | 8768 | 3040 | 10251 | 34415 |
| MAINTENANCE----- | | 468 | 638 | 52 | 308 | 1466 |
| S & I----- | | 229 | 161 | 69 | 155 | 614 |
| LOSS (NON-REINT)----- | | 0 | 0 | 0 | 0 | 2040 |
| **FIXED GAIN COST----- | | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, FORCE COSTS----- | | 14263 | 11767 | 4030 | 12154 | 44254 |
| RETIREMENT----- | | 3831 | 2549 | 684 | 4425 | 11489 |
| EARLY WITHDRAWAL----- | | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, RETIREMENT----- | | 3831 | 2549 | 684 | 4425 | 11489 |
| SUBTOTAL, TOTAL COST----- | | 18094 | 14316 | 4714 | 16579 | 55743 |

NOTE: ON ALL ACOL RUNS, THE SERVICE TOTALS
 DO NOT INCLUDE FIXED GAIN COSTS; THE
 AMOUNT FOR FIXED GAIN COSTS, IF ANY,
 INCLUDES OFFICER COSTS AS WELL.

REFERENCE NUMBER: 15

REMIT OPTION: 2% PEN
 EARLY W/D OPTION: 150--0--0
 SOURCE: ACOL A

COSTS IN \$ MILLIONS

| OFFICER COSTS: | SERVICE: | ARMY | NAVY | MARINE CORPS | AIR FORCE | DOD |
|----------------------------|----------|-------|-------|--------------|-----------|-------|
| GAIN----- | ----- | 259 | 1552 | 452 | 810 | 3073 |
| MAINTENANCE----- | ----- | 2625 | 1898 | 517 | 3105 | 8135 |
| S & I----- | ----- | 91 | 177 | 12 | 189 | 469 |
| LOSS (NON-REMIT)----- | ----- | 39 | 30 | 9 | 43 | 121 |
| **FIXED GAIN COST----- | ----- | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, FORCE COSTS----- | ----- | 3014 | 3647 | 990 | 4147 | 14798 |
| RETIREMENT----- | ----- | 1331 | 985 | 271 | 1896 | 4483 |
| EARLY WITHDRAWAL----- | ----- | 87 | 69 | 17 | 127 | 300 |
| SUBTOTAL, RETIREMENT----- | ----- | 1418 | 1054 | 288 | 2023 | 4783 |
| SUBTOTAL, TOTAL COST----- | ----- | 4432 | 4701 | 1278 | 6170 | 16581 |
| ENLISTED COSTS: | ----- | | | | | |
| GAIN----- | ----- | 882 | 506 | 369 | 551 | 2308 |
| MAINTENANCE----- | ----- | 9977 | 7039 | 2599 | 7289 | 26904 |
| S & I----- | ----- | 373 | 490 | 48 | 124 | 1035 |
| LOSS (NON-REMIT)----- | ----- | 177 | 122 | 55 | 105 | 459 |
| **FIXED GAIN COST----- | ----- | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, FORCE COSTS----- | ----- | 11409 | 8157 | 3071 | 8069 | 32746 |
| RETIREMENT----- | ----- | 3039 | 1897 | 549 | 2854 | 8339 |
| EARLY WITHDRAWAL----- | ----- | 271 | 152 | 48 | 263 | 734 |
| SUBTOTAL, RETIREMENT----- | ----- | 3310 | 2049 | 597 | 3117 | 9073 |
| SUBTOTAL, TOTAL COST----- | ----- | 14719 | 10206 | 3668 | 11186 | 41819 |
| TOTAL (OFF+ENL) COSTS: | ----- | | | | | |
| GAIN----- | ----- | 1141 | 2058 | 821 | 1361 | 5381 |
| MAINTENANCE----- | ----- | 12602 | 8927 | 3116 | 10394 | 35039 |
| S & I----- | ----- | 464 | 667 | 60 | 313 | 1504 |
| LOSS (NON-REMIT)----- | ----- | 216 | 152 | 64 | 148 | 580 |
| **FIXED GAIN COST----- | ----- | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, FORCE COSTS----- | ----- | 14423 | 11804 | 4061 | 12216 | 44564 |
| RETIREMENT----- | ----- | 4370 | 2882 | 820 | 4750 | 12822 |
| EARLY WITHDRAWAL----- | ----- | 358 | 221 | 65 | 390 | 1034 |
| SUBTOTAL, RETIREMENT----- | ----- | 4728 | 3103 | 885 | 5140 | 13856 |
| SUBTOTAL, TOTAL COST----- | ----- | 19151 | 14907 | 4946 | 17356 | 58400 |

NOTE: ON ALL ACOL RUNS, THE SERVICE TOTALS
 DO NOT INCLUDE FIXED GAIN COSTS; THE
 AMOUNT FOR FIXED GAIN COSTS, IF ANY,
 INCLUDES OFFICER COSTS AS WELL.

REFERENCE NUMBER: 16
 RETMT OPTION: 3% PEN
 EARLY W/D OPTION: NONE
 SOURCE: ACOL A

| COSTS IN \$ MILLIONS
***** | | | | | |
|-------------------------------|-------|-------|--------------|-----------|-------|
| OFFICER COSTS: | | | | | |
| SERVICE: | ARMY | NAVY | MARINE CORPS | AIR FORCE | DOO |
| GAIN----- | 280 | 1686 | 478 | 867 | 3311 |
| MAINTENANCE----- | 2559 | 1843 | 510 | 3047 | 7959 |
| S & I----- | 90 | 168 | 11 | 185 | 454 |
| LOSS (NON-RETM)----- | 43 | 33 | 10 | 46 | 132 |
| **FIXED GAIN COST----- | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, FORCE COSTS----- | 2972 | 3730 | 1009 | 4145 | 11856 |
| RETIREMENT----- | 1147 | 858 | 241 | 1684 | 3930 |
| EARLY WITHDRAWAL----- | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, RETIREMENT----- | 1147 | 858 | 241 | 1684 | 3930 |
| SUBTOTAL, TOTAL COST----- | 4119 | 4588 | 1250 | 5829 | 15786 |
| ENLISTED COSTS: | | | | | |
| GAIN----- | 943 | 540 | 398 | 575 | 2456 |
| MAINTENANCE----- | 9754 | 6884 | 2508 | 7203 | 26349 |
| S & I----- | 379 | 459 | 39 | 122 | 999 |
| LOSS (NON-RETM)----- | 189 | 130 | 60 | 110 | 489 |
| **FIXED GAIN COST----- | 0 | 0 | 0 | 0 | 2040 |
| SUBTOTAL, FORCE COSTS----- | 11265 | 8013 | 3005 | 8010 | 32333 |
| RETIREMENT----- | 2285 | 1438 | 360 | 2378 | 6461 |
| EARLY WITHDRAWAL----- | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, RETIREMENT----- | 2285 | 1438 | 360 | 2378 | 6461 |
| SUBTOTAL, TOTAL COST----- | 13550 | 9451 | 3365 | 10388 | 38794 |
| TOTAL (OFF+EML) COSTS: | | | | | |
| GAIN----- | 1223 | 2226 | 876 | 1442 | 5767 |
| MAINTENANCE----- | 12313 | 8727 | 3018 | 10250 | 34308 |
| S & I----- | 469 | 627 | 50 | 307 | 1453 |
| LOSS (NON-RETM)----- | 232 | 163 | 70 | 156 | 621 |
| **FIXED GAIN COST----- | 0 | 0 | 0 | 0 | 2040 |
| SUBTOTAL, FORCE COSTS----- | 14237 | 11743 | 4014 | 12155 | 44189 |
| RETIREMENT----- | 3432 | 2296 | 601 | 4062 | 10391 |
| EARLY WITHDRAWAL----- | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, RETIREMENT----- | 3432 | 2296 | 601 | 4062 | 10391 |
| SUBTOTAL, TOTAL COST----- | 17669 | 14039 | 4615 | 16217 | 54580 |

NOTE: ON ALL ACOL RUNS, THE SERVICE TOTALS
 DO NOT INCLUDE FIXED GAIN COSTS; THE
 AMOUNT FOR FIXED GAIN COSTS, IF ANY,
 INCLUDES OFFICER COSTS AS WELL.

REFERENCE NUMBER: 17

RETM OPTION: 3% PCM
 EARLY W/D OPTION: 210--0--0
 SOURCE: ACOL A

COSTS IN \$ MILLIONS

| OFFICER COSTS: | SERVICE: | ARMY | NAVY | MARINE CORPS | AIR FORCE | DOD |
|----------------------------|----------|-------|-------|--------------|-----------|-------|
| GAIN----- | ----- | 255 | 1527 | 845 | 795 | 3022 |
| MAINTENANCE----- | ----- | 2642 | 1900 | 520 | 3123 | 8185 |
| S & I----- | ----- | 92 | 177 | 12 | 189 | 470 |
| LOSS (NON-RETM)----- | ----- | 39 | 30 | 9 | 42 | 120 |
| ++FIXED GAIN COST----- | ----- | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, FORCE COSTS----- | ----- | 3028 | 3634 | 986 | 4149 | 11797 |
| RETIREMENT----- | ----- | 1288 | 951 | 261 | 1813 | 4313 |
| EARLY WITHDRAWAL----- | ----- | 122 | 96 | 24 | 178 | 420 |
| SUBTOTAL, RETIREMENT----- | ----- | 1410 | 1047 | 285 | 1991 | 4733 |
| SUBTOTAL, TOTAL COST----- | ----- | 4438 | 4681 | 1271 | 6140 | 16530 |
| ENLISTED COSTS: | | | | | | |
| GAIN----- | ----- | 879 | 595 | 369 | 549 | 2302 |
| MAINTENANCE----- | ----- | 10005 | 7053 | 2604 | 7312 | 26974 |
| S & I----- | ----- | 372 | 490 | 48 | 124 | 1034 |
| LOSS (NON-RETM)----- | ----- | 176 | 122 | 55 | 105 | 458 |
| ++FIXED GAIN COST----- | ----- | 0 | 0 | 0 | 0 | 2040 |
| SUBTOTAL, FORCE COSTS----- | ----- | 11432 | 8170 | 3076 | 8090 | 32808 |
| RETIREMENT----- | ----- | 2815 | 1783 | 516 | 2631 | 7745 |
| EARLY WITHDRAWAL----- | ----- | 377 | 211 | 67 | 367 | 1022 |
| SUBTOTAL, RETIREMENT----- | ----- | 3192 | 1994 | 583 | 2998 | 8767 |
| SUBTOTAL, TOTAL COST----- | ----- | 14624 | 10164 | 3659 | 11088 | 41575 |
| TOTAL (OFF+ENL) COSTS: | | | | | | |
| GAIN----- | ----- | 1134 | 2032 | 814 | 1344 | 5324 |
| MAINTENANCE----- | ----- | 12647 | 8953 | 3124 | 10435 | 35159 |
| S & I----- | ----- | 464 | 667 | 60 | 313 | 1504 |
| LOSS (NON-RETM)----- | ----- | 215 | 152 | 64 | 147 | 578 |
| ++FIXED GAIN COST----- | ----- | 0 | 0 | 0 | 0 | 2040 |
| SUBTOTAL, FORCE COSTS----- | ----- | 14460 | 11804 | 4062 | 12239 | 44505 |
| RETIREMENT----- | ----- | 4103 | 2734 | 777 | 4444 | 12058 |
| EARLY WITHDRAWAL----- | ----- | 499 | 307 | 91 | 545 | 1442 |
| SUBTOTAL, RETIREMENT----- | ----- | 4602 | 3041 | 868 | 4989 | 13500 |
| SUBTOTAL, TOTAL COST----- | ----- | 19062 | 14845 | 4930 | 17228 | 58105 |

NOTE: ON ALL ACOL RUNS, THE SERVICE TOTALS
 DO NOT INCLUDE FIXED GAIN COSTS; THE
 AMOUNT FOR FIXED GAIN COSTS, IF ANY,
 INCLUDES OFFICER COSTS AS WELL.

18

RETMT OPTION:
EARLY W/D OPTION:
SOURCE:

COSTS IN \$ MILLIONS

| OFFICER COSTS: | | SERVICE: | | ARMY | | NAVY | | MARINE | | FORCE | | DOD | |
|----------------------------|------|----------|------|------|------|------|------|--------|-------|-------|--|-----|--|
| GAIN----- | 283 | | 1694 | | 480 | | 875 | | 3332 | | | | |
| MAINTENANCE----- | 2544 | | 1842 | | 511 | | 3048 | | 7945 | | | | |
| S & I----- | 90 | | 167 | | 11 | | 184 | | 452 | | | | |
| LOSS (NON-RETM)----- | 43 | | 33 | | 10 | | 46 | | 132 | | | | |
| **FIXED GAIN COST----- | 0 | | 0 | | 0 | | 0 | | 0 | | | | |
| SUBTOTAL, FORCE COSTS----- | 2960 | | 3736 | | 1012 | | 4153 | | 11861 | | | | |
| RETIREMENT----- | 975 | | 760 | | 215 | | 1479 | | 3429 | | | | |
| EARLY WITHDRAWAL----- | 0 | | 0 | | 0 | | 0 | | 0 | | | | |
| SUBTOTAL, RETIREMENT----- | 975 | | 760 | | 215 | | 1479 | | 3429 | | | | |
| SUBTOTAL, TOTAL COST----- | 3935 | | 4496 | | 1227 | | 5632 | | 15290 | | | | |

| | | | | | | |
|----------------------------|-------|------|------|-------|-------|--|
| ENLISTED COSTS: | | | | | | |
| GAIN----- | 995 | 544 | 401 | 574 | 2464 | |
| MAINTENANCE----- | 9765 | 6867 | 2498 | 7227 | 26357 | |
| S & I----- | 379 | 455 | 38 | 122 | 994 | |
| LOSS (NON-RETMT)----- | 189 | 131 | 60 | 109 | 489 | |
| ##FIXED GAIN COST----- | | 0 | 0 | 0 | 2040 | |
| SUBTOTAL, FORCE COSTS----- | 11278 | 7997 | 2997 | 8032 | 32344 | |
| RETIREMENT----- | 2085 | 1289 | 313 | 2192 | 5879 | |
| EARLY WITHDRAWAL----- | 0 | 0 | 0 | 0 | 0 | |
| SUBTOTAL, RETIREMENT----- | 2085 | 1289 | 313 | 2192 | 5879 | |
| SUBTOTAL, TOTAL COST----- | 13363 | 9286 | 3310 | 10224 | 38223 | |

| | | | | | |
|---------------------------|-------|-------|------|-------|-------|
| TOTAL (OFF+ENL) COSTS: | 1228 | 2238 | 881 | 1449 | 5796 |
| GAIN----- | 12309 | 8709 | 3009 | 10275 | 34302 |
| MAINTENANCE---- | 469 | 622 | 49 | 306 | 1446 |
| S & I----- | 232 | 164 | 70 | 155 | 621 |
| LOSS (NON-RETMT)----- | 0 | 0 | 0 | 0 | 2040 |
| **FIXED GAIN COST----- | 14238 | 11733 | 4009 | 12185 | 44205 |
| SUBTOTAL, FORCE COSTS---- | 3060 | 2049 | 528 | 3671 | 9308 |
| RETIREMENT----- | 0 | 0 | 0 | 0 | 0 |
| EARLY WITHDRAWAL----- | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, RETIREMENT---- | 3060 | 2049 | 528 | 3671 | 9308 |
| SUBTOTAL, TOTAL COST----- | 17298 | 13782 | 4537 | 15856 | 53513 |

NOTE: ON ALL ACOL RUNS, THE SERVICE TOTALS DO NOT INCLUDE FIXED GAIN COSTS; THE AMOUNT FOR FIXED GAIN COSTS, IF ANY, INCLUDES OFFICER COSTS AS WELL.

REFERENCE NUMBER: 19

REIMT OPTION: 4% PER
EARLY W/D OPTION: 270--0--0
SOURCE: ACOL A

COSTS IN \$ MILLIONS

| OFFICER COSTS: | | SERVICE: | ARMY | NAVY | MARINE | AIR | DGD |
|----------------------------|--|----------|-------|-------|--------|-------|-------|
| GAIN----- | | | 250 | 1495 | 437 | 233 | 2475 |
| MAINTENANCE----- | | | 2661 | 1914 | 523 | 3145 | 8243 |
| S & P----- | | | 92 | 177 | 12 | 190 | 471 |
| LOSS (NON-REIMT)----- | | | 38 | 29 | 9 | 35 | 111 |
| **FIXED GAIN COST----- | | | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, FORCE COSTS----- | | | 3941 | 3615 | 981 | 3603 | 11240 |
| RETIREMENT----- | | | 1250 | 924 | 252 | 1742 | 4168 |
| EARLY WITHDRAWAL----- | | | 157 | 124 | 31 | 230 | 542 |
| SUBTOTAL, RETIREMENT----- | | | 1407 | 1048 | 283 | 1972 | 4710 |
| SUBTOTAL, TOTAL COST----- | | | 4448 | 4663 | 1264 | 5575 | 15950 |
| ENLISTED COSTS: | | | | | | | |
| GAIN----- | | | 866 | 504 | 366 | 540 | 2276 |
| MAINTENANCE----- | | | 10081 | 7068 | 2614 | 7368 | 27131 |
| S & P----- | | | 370 | 491 | 48 | 124 | 1033 |
| LOSS (NON-REIMT)----- | | | 173 | 121 | 55 | 103 | 452 |
| **FIXED GAIN COST----- | | | 0 | 0 | 0 | 0 | 2040 |
| SUBTOTAL, FORCE COSTS----- | | | 11490 | 8184 | 3083 | 8135 | 32932 |
| RETIREMENT----- | | | 2685 | 1678 | 489 | 2475 | 7327 |
| EARLY WITHDRAWAL----- | | | 488 | 270 | 86 | 474 | 1318 |
| SUBTOTAL, RETIREMENT----- | | | 3173 | 1948 | 575 | 2949 | 8645 |
| SUBTOTAL, TOTAL COST----- | | | 14663 | 10132 | 3658 | 11084 | 41577 |
| TOTAL (OFF+ENL) COSTS: | | | | | | | |
| GAIN----- | | | 1116 | 1999 | 803 | 773 | 4691 |
| MAINTENANCE----- | | | 12742 | 8982 | 3137 | 10513 | 35374 |
| S & P----- | | | 462 | 668 | 60 | 314 | 1504 |
| LOSS (NON-REIMT)----- | | | 211 | 150 | 64 | 138 | 563 |
| **FIXED GAIN COST----- | | | 0 | 0 | 0 | 0 | 2040 |
| SUBTOTAL, FORCE COSTS----- | | | 14531 | 11799 | 4064 | 11738 | 44172 |
| RETIREMENT----- | | | 3935 | 2602 | 741 | 4217 | 11495 |
| EARLY WITHDRAWAL----- | | | 645 | 394 | 117 | 704 | 1860 |
| SUBTOTAL, RETIREMENT----- | | | 4580 | 2996 | 858 | 4921 | 13355 |
| SUBTOTAL, TOTAL COST----- | | | 19111 | 14795 | 4922 | 16659 | 57527 |

NOTE: ON ALL ACOL RUNS, THE SERVICE TOTALS
DO NOT INCLUDE FIXED GAIN COSTS; THE
AMOUNT FOR FIXED GAIN COSTS, IF ANY,
INCLUDES OFFICER COSTS AS WELL.

REFERENCE NUMBER: 20
 RETMT OPTION: 5% PER
 EARLY W/D OPTION: NONE
 SOURCE: ACOL A

COSTS IN \$ MILLIONS

| | ARMY | NAVY | MARINE CORPS | AIR FORCE | DOD |
|-------------------------------|-------|-------|--------------|-----------|-------|
| OFFICER COSTS: | | | | | |
| GAIN----- | 288 | 1699 | 479 | 875 | 3347 |
| MAINTENANCE----- | 2522 | 1841 | 511 | 3052 | 7926 |
| S & I----- | 90 | 166 | 11 | 184 | 451 |
| LOSS (NON-RETI)----- | 40 | 33 | 10 | 46 | 129 |
| **FIXED GAIN COST----- | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, FORCE COSTS----- | 2940 | 3739 | 1011 | 4157 | 11847 |
| RETIREMENT----- | 1018 | 786 | 221 | 1533 | 3558 |
| EARLY WITHDRAWAL----- | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, RETIREMENT----- | 1018 | 786 | 221 | 1533 | 3558 |
| SUBTOTAL, TOTAL COST----- | 3958 | 4525 | 1232 | 5690 | 15405 |
| ENLISTED COSTS: | | | | | |
| GAIN----- | 944 | 544 | 402 | 570 | 2460 |
| MAINTENANCE----- | 9790 | 6872 | 2492 | 7267 | 26421 |
| S & I----- | 379 | 455 | 37 | 122 | 993 |
| LOSS (NON-RETI)----- | 189 | 131 | 60 | 109 | 489 |
| **FIXED GAIN COST----- | 0 | 0 | 0 | 0 | 2040 |
| SUBTOTAL, FORCE COSTS----- | 11302 | 8002 | 2991 | 8068 | 32403 |
| RETIREMENT----- | 1949 | 1198 | 280 | 2065 | 5492 |
| EARLY WITHDRAWAL----- | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, RETIREMENT----- | 1949 | 1198 | 280 | 2065 | 5492 |
| SUBTOTAL, TOTAL COST----- | 13251 | 9200 | 3271 | 10133 | 37895 |
| TOTAL (OFF+ENL) COSTS: | | | | | |
| GAIN----- | 1232 | 2243 | 881 | 1445 | 5801 |
| MAINTENANCE----- | 12312 | 8713 | 3033 | 10319 | 34347 |
| S & I----- | 469 | 621 | 48 | 306 | 1444 |
| LOSS (NON-RETI)----- | 229 | 164 | 70 | 155 | 618 |
| **FIXED GAIN COST----- | 0 | 0 | 0 | 0 | 2040 |
| SUBTOTAL, FORCE COSTS----- | 14242 | 11741 | 4002 | 12225 | 44250 |
| RETIREMENT----- | 2967 | 1984 | 501 | 3598 | 9050 |
| EARLY WITHDRAWAL----- | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, RETIREMENT----- | 2967 | 1984 | 501 | 3598 | 9050 |
| SUBTOTAL, TOTAL COST----- | 17209 | 13725 | 4503 | 15823 | 53300 |

NOTE: ON ALL ACOL RUNS, THE SERVICE TOTALS
 DO NOT INCLUDE FIXED GAIN COSTS; THE
 AMOUNT FOR FIXED GAIN COSTS, IF ANY,
 INCLUDES OFFICER COSTS AS WELL.

REFERENCE NUMBER: 21

REMIT OPTION: 6% PEN
 EARLY W/D OPTION: NONE
 SOURCE: ACOL A

COSTS IN \$ MILLIONS

| SERVICE: | ARMY | NAVY | MARINE CORPS | AIR FORCE | DOD |
|----------------------------|-------|-------|--------------|-----------|-------|
| OFFICER COSTS: | | | | | |
| GAIN----- | 292 | 1707 | 478 | 874 | 3351 |
| MAINTENANCE----- | 2498 | 1837 | 513 | 3057 | 7905 |
| S & I----- | 90 | 166 | 11 | 184 | 451 |
| LOSS (NON-REMIT)----- | 40 | 33 | 10 | 46 | 129 |
| **FIXED GAIN COST----- | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, FORCE COSTS----- | 2920 | 3743 | 1012 | 4161 | 11836 |
| RETIREMENT----- | 975 | 760 | 215 | 1479 | 3429 |
| EARLY WITHDRAWAL----- | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, RETIREMENT----- | 975 | 760 | 215 | 1479 | 3429 |
| SUBTOTAL, TOTAL COST----- | 3895 | 4503 | 1227 | 5640 | 15265 |
| ENLISTED COSTS: | | | | | |
| GAIN----- | 941 | 542 | 403 | 566 | 2452 |
| MAINTENANCE----- | 9826 | 6892 | 2488 | 7314 | 26520 |
| S & I----- | 378 | 455 | 37 | 121 | 991 |
| LOSS (NON-REMIT)----- | 188 | 131 | 60 | 108 | 487 |
| **FIXED GAIN COST----- | 0 | 0 | 0 | 0 | 2040 |
| SUBTOTAL, FORCE COSTS----- | 11333 | 8020 | 2988 | 8109 | 32490 |
| RETIREMENT----- | 1871 | 1153 | 255 | 1980 | 5259 |
| EARLY WITHDRAWAL----- | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, RETIREMENT----- | 1871 | 1153 | 255 | 1980 | 5259 |
| SUBTOTAL, TOTAL COST----- | 13204 | 9173 | 3243 | 10089 | 37749 |
| TOTAL (OFF+ENL) COSTS: | | | | | |
| GAIN----- | 1213 | 2249 | 881 | 1440 | 5803 |
| MAINTENANCE----- | 12324 | 8729 | 3001 | 10371 | 34425 |
| S & I----- | 468 | 621 | 48 | 305 | 1442 |
| LOSS (NON-REMIT)----- | 228 | 164 | 70 | 154 | 616 |
| **FIXED GAIN COST----- | 0 | 0 | 0 | 0 | 2040 |
| SUBTOTAL, FORCE COSTS----- | 14253 | 11763 | 4000 | 12270 | 44326 |
| RETIREMENT----- | 2846 | 1913 | 470 | 3459 | 8688 |
| EARLY WITHDRAWAL----- | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, RETIREMENT----- | 2846 | 1913 | 470 | 3459 | 8688 |
| SUBTOTAL, TOTAL COST----- | 17099 | 13676 | 4470 | 15729 | 53014 |

NOTE: ON ALL ACOL RUNS, THE SERVICE TOTALS
 DO NOT INCLUDE FIXED GAIN COSTS; THE
 AMOUNT FOR FIXED GAIN COSTS, IF ANY,
 INCLUDES OFFICER COSTS AS WELL.

REFERENCE NUMBER: 22
 REIMT OPTION: 6% PEM
 EARLY W/D OPTION: 390--0--0
 SOURCE: ACOL A

COSTS IN \$ MILLIONS

| OFFICER COSTS: | SERVICE: | ARMY | NAVY | MARINE CORPS | AIR FORCE | DOD |
|----------------------------|----------|-------|-------|--------------|-----------|-------|
| GAIN----- | ----- | 240 | 1425 | 419 | 744 | 2828 |
| MAINTENANCE----- | ----- | 2698 | 1945 | 531 | 3192 | 8366 |
| S & I----- | ----- | 92 | 179 | 12 | 191 | 474 |
| LOSS (NON-REIMT)----- | ----- | 36 | 28 | 9 | 39 | 112 |
| **FIXED GAIN COST----- | ----- | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, FORCE COSTS----- | ----- | 3066 | 3577 | 971 | 4166 | 11780 |
| RETIREMENT----- | ----- | 1195 | 887 | 236 | 1623 | 3941 |
| EARLY WITHDRAWAL----- | ----- | 229 | 181 | 45 | 336 | 791 |
| SUBTOTAL, RETIREMENT----- | ----- | 1424 | 1068 | 281 | 1959 | 4732 |
| SUBTOTAL, TOTAL COST----- | ----- | 4490 | 4645 | 1252 | 6125 | 16512 |
| ENLISTED COSTS: | ----- | | | | | |
| GAIN----- | ----- | 829 | 489 | 356 | 516 | 2190 |
| MAINTENANCE----- | ----- | 10300 | 7173 | 2653 | 7530 | 27656 |
| S & I----- | ----- | 364 | 502 | 50 | 125 | 1041 |
| LOSS (NON-REIMT)----- | ----- | 166 | 118 | 53 | 98 | 435 |
| **FIXED GAIN COST----- | ----- | 0 | 0 | 0 | 0 | 2040 |
| SUBTOTAL, FORCE COSTS----- | ----- | 11659 | 8282 | 3112 | 8269 | 33362 |
| RETIREMENT----- | ----- | 2616 | 1614 | 466 | 2321 | 7017 |
| EARLY WITHDRAWAL----- | ----- | 726 | 398 | 131 | 695 | 1950 |
| SUBTOTAL, RETIREMENT----- | ----- | 3342 | 2012 | 597 | 3016 | 8967 |
| SUBTOTAL, TOTAL COST----- | ----- | 15001 | 10294 | 3709 | 11285 | 42329 |
| TOTAL (OFF+EML) COSTS: | ----- | | | | | |
| GAIN----- | ----- | 1069 | 1914 | 775 | 1260 | 5018 |
| MAINTENANCE----- | ----- | 12998 | 9118 | 3184 | 10722 | 36022 |
| S & I----- | ----- | 456 | 681 | 62 | 316 | 1515 |
| LOSS (NON-REIMT)----- | ----- | 202 | 146 | 62 | 137 | 547 |
| **FIXED GAIN COST----- | ----- | 0 | 0 | 0 | 0 | 2040 |
| SUBTOTAL, FORCE COSTS----- | ----- | 14725 | 11859 | 4083 | 12835 | 45142 |
| RETIREMENT----- | ----- | 3811 | 2501 | 702 | 3942 | 10958 |
| EARLY WITHDRAWAL----- | ----- | 955 | 579 | 176 | 1031 | 2741 |
| SUBTOTAL, RETIREMENT----- | ----- | 4766 | 3080 | 878 | 4975 | 13699 |
| SUBTOTAL, TOTAL COST----- | ----- | 19491 | 14939 | 4961 | 17810 | 58841 |

NOTE: ON ALL ACOL RUNS, THE SERVICE TOTALS
 DO NOT INCLUDE FIXED GAIN COSTS; THE
 AMOUNT FOR FIXED GAIN COSTS, IF ANY,
 INCLUDES OFFICER COSTS AS WELL.

REFERENCE NUMBER: 23

RETIPT OPTION: COLA 30/90%
 EARLY W/D OPTION: NONE
 SOURCE: ACOL A

COSTS IN \$ MILLIONS

| OFFICER COSTS: | SERVICE: | ARMY | NAVY | MARINE CORPS | AIR FORCE | DOD |
|----------------------------|----------|-------|-------|--------------|-----------|-------|
| GAIN----- | | 271 | 1616 | 469 | 844 | 3200 |
| MAINTENANCE----- | | 2584 | 1858 | 511 | 3060 | 8013 |
| S & I----- | | 91 | 175 | 12 | 188 | 466 |
| LOSS (NON-RETIPT)----- | | 41 | 31 | 10 | 44 | 126 |
| **FIXED GAIN COST----- | | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, FORCE COSTS----- | | 2987 | 3620 | 1002 | 4136 | 11805 |
| RETIPT----- | | 1368 | 1023 | 282 | 1990 | 4663 |
| EARLY WITHDRAWAL----- | | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, RETIPT----- | | 1368 | 1023 | 282 | 1990 | 4663 |
| SUBTOTAL, TOTAL COST----- | | 4355 | 4703 | 1284 | 6126 | 16468 |
| ENLISTED COSTS: | | | | | | |
| GAIN----- | | 901 | 515 | 377 | 562 | 2355 |
| MAINTENANCE----- | | 9884 | 6979 | 2568 | 7227 | 26658 |
| S & I----- | | 375 | 483 | 46 | 123 | 1027 |
| LOSS (NON-RETIPT)----- | | 180 | 124 | 57 | 107 | 468 |
| **FIXED GAIN COST----- | | 0 | 0 | 0 | 0 | 2040 |
| SUBTOTAL, FORCE COSTS----- | | 11340 | 8101 | 3048 | 8019 | 32548 |
| RETIPT----- | | 3269 | 1980 | 559 | 3150 | 8958 |
| EARLY WITHDRAWAL----- | | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, RETIPT----- | | 3269 | 1980 | 559 | 3150 | 8958 |
| SUBTOTAL, TOTAL COST----- | | 14609 | 10081 | 3607 | 11169 | 41506 |
| TOTAL (OFF+ENL) COSTS: | | | | | | |
| GAIN----- | | 1172 | 2131 | 846 | 1406 | 5555 |
| MAINTENANCE----- | | 12468 | 8837 | 3079 | 10287 | 34671 |
| S & I----- | | 466 | 658 | 58 | 311 | 1493 |
| LOSS (NON-RETIPT)----- | | 221 | 155 | 67 | 151 | 594 |
| **FIXED GAIN COST----- | | 0 | 0 | 0 | 0 | 2040 |
| SUBTOTAL, FORCE COSTS----- | | 14327 | 11781 | 4050 | 12155 | 44353 |
| RETIPT----- | | 4637 | 3003 | 841 | 5140 | 13621 |
| EARLY WITHDRAWAL----- | | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, RETIPT----- | | 4637 | 3003 | 841 | 5140 | 13621 |
| SUBTOTAL, TOTAL COST----- | | 18964 | 14784 | 4891 | 17295 | 57974 |

NOTE: ON ALL ACOL RUNS, THE SERVICE TOTALS
 DO NOT INCLUDE FIXED GAIN COSTS; THE
 AMOUNT FOR FIXED GAIN COSTS, IF ANY,
 INCLUDES OFFICER COSTS AS WELL.

REFERENCE NUMBER: 24

RETM OPTION: COLA 30/75%
 EARLY W/D OPTION: NONE
 SOURCE: ACOL A

COSTS IN \$ MILLIONS

| SERVICE: | ARMY | NAVY | MARINE CORPS | AIR FORCE | DOD |
|----------------------------|-------|-------|--------------|-----------|-------|
| OFFICER COSTS: | | | | | |
| GAIN----- | 274 | 1637 | 473 | 854 | 3238 |
| MAINTENANCE----- | 2577 | 1853 | 510 | 3053 | 7993 |
| S & I----- | 91 | 174 | 12 | 187 | 464 |
| LOSS (NON-RETM)----- | 42 | 32 | 10 | 45 | 129 |
| **FIXED GAIN COST----- | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, FORCE COSTS----- | 2984 | 3696 | 1005 | 4139 | 11824 |
| RETIREMENT----- | 1283 | 963 | 264 | 1869 | 4379 |
| EARLY WITHDRAWAL----- | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, RETIREMENT----- | 1283 | 963 | 264 | 1869 | 4379 |
| SUBTOTAL, TOTAL COST----- | 4267 | 4659 | 1269 | 6008 | 16203 |
| ENLISTED COSTS: | | | | | |
| GAIN----- | 911 | 520 | 381 | 567 | 2379 |
| MAINTENANCE----- | 9849 | 6959 | 2555 | 7210 | 26573 |
| S & I----- | 376 | 478 | 44 | 123 | 1021 |
| LOSS (NON-RETM)----- | 182 | 125 | 57 | 108 | 472 |
| **FIXED GAIN COST----- | 0 | 0 | 0 | 0 | 2040 |
| SUBTOTAL, FORCE COSTS----- | 11318 | 8082 | 3037 | 8008 | 32485 |
| RETIREMENT----- | 3002 | 1821 | 503 | 2937 | 8263 |
| EARLY WITHDRAWAL----- | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, RETIREMENT----- | 3002 | 1821 | 503 | 2937 | 8263 |
| SUBTOTAL, TOTAL COST----- | 14320 | 9903 | 3540 | 10945 | 40748 |
| TOTAL (OFF+ENL) COSTS: | | | | | |
| GAIN----- | 1185 | 2157 | 854 | 1421 | 5617 |
| MAINTENANCE----- | 12426 | 8812 | 3065 | 10263 | 34566 |
| S & I----- | 467 | 652 | 56 | 310 | 1485 |
| LOSS (NON-RETM)----- | 224 | 157 | 67 | 153 | 601 |
| **FIXED GAIN COST----- | 0 | 0 | 0 | 0 | 2040 |
| SUBTOTAL, FORCE COSTS----- | 14302 | 11778 | 4642 | 12147 | 44309 |
| RETIREMENT----- | 4285 | 2784 | 767 | 4806 | 12642 |
| EARLY WITHDRAWAL----- | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, RETIREMENT----- | 4285 | 2784 | 767 | 4806 | 12642 |
| SUBTOTAL, TOTAL COST----- | 18587 | 14562 | 4809 | 16953 | 56951 |

NOTE: ON ALL ACOL RUNS, THE SERVICE TOTALS
 DO NOT INCLUDE FIXED GAIN COSTS; THE
 AMOUNT FOR FIXED GAIN COSTS, IF ANY,
 INCLUDES OFFICER COSTS AS WELL.

REFERENCE NUMBER: 25

OPTION: COLA 30/67%
 EARLY W/D OPTION: NONE
 SOURCE: ACOL A

COSTS IN \$ MILLIONS

| OFFICER COSTS: | SERVICE: | ARMY | NAVY | MARINE CORPS | AIR FORCE | DOD |
|----------------------------|----------|-------|-------|--------------|-----------|-------|
| GAIN----- | | 275 | 1648 | 476 | 859 | 3258 |
| MAINTENANCE----- | | 2574 | 1850 | 509 | 3049 | 7982 |
| S & I----- | | 90 | 173 | 12 | 187 | 462 |
| LOSS (NON-RETI)----- | | 42 | 32 | 10 | 45 | 129 |
| **FIXED GAIN COST----- | | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, FORCE COSTS----- | | 2981 | 3703 | 1007 | 4140 | 11831 |
| RETIREMENT----- | | 1241 | 933 | 255 | 1809 | 4238 |
| EARLY WITHDRAWAL----- | | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, RETIREMENT----- | | 1241 | 933 | 255 | 1809 | 4238 |
| SUBTOTAL, TOTAL COST----- | | 4222 | 4636 | 1262 | 5949 | 16069 |
| ENLISTED COSTS: | | | | | | |
| GAIN----- | | 916 | 522 | 383 | 569 | 2390 |
| MAINTENANCE----- | | 9831 | 6948 | 2549 | 7203 | 26531 |
| S & I----- | | 377 | 476 | 44 | 123 | 1020 |
| LOSS (NON-RETI)----- | | 183 | 126 | 57 | 109 | 475 |
| **FIXED GAIN COST----- | | 0 | 0 | 0 | 0 | 2040 |
| SUBTOTAL, FORCE COSTS----- | | 11307 | 8072 | 3033 | 8904 | 32456 |
| RETIREMENT----- | | 2870 | 1742 | 476 | 2832 | 7920 |
| EARLY WITHDRAWAL----- | | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, RETIREMENT----- | | 2870 | 1742 | 476 | 2832 | 7920 |
| SUBTOTAL, TOTAL COST----- | | 14177 | 9814 | 3509 | 10836 | 40376 |
| TOTAL (OFF+EML) COSTS: | | | | | | |
| GAIN----- | | 1191 | 2170 | 859 | 1428 | 5648 |
| MAINTENANCE----- | | 12405 | 8798 | 3058 | 10252 | 34513 |
| S & I----- | | 467 | 649 | 56 | 310 | 1482 |
| LOSS (NON-RETI)----- | | 225 | 156 | 67 | 154 | 604 |
| **FIXED GAIN COST----- | | 0 | 0 | 0 | 0 | 2040 |
| SUBTOTAL, FORCE COSTS----- | | 14288 | 11775 | 4040 | 12144 | 44287 |
| RETIREMENT----- | | 4111 | 2675 | 731 | 4641 | 12158 |
| EARLY WITHDRAWAL----- | | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, RETIREMENT----- | | 4111 | 2675 | 731 | 4641 | 12158 |
| SUBTOTAL, TOTAL COST----- | | 18399 | 14450 | 4771 | 16785 | 56445 |

NOTE: ON ALL ACOL RUNS, THE SERVICE TOTALS
 DO NOT INCLUDE FIXED GAIN COSTS; THE
 AMOUNT FOR FIXED GAIN COSTS, IF ANY,
 INCLUDES OFFICER COSTS AS WELL.

RETM OPTION: COLA 30/50%
EARLY W/D OPTION: NONE
SOURCE: ACOL A

| OFFICER COSTS: | | SERVICE: | ARMY | NAVY | MARINE CORPS | AIR FORCE | DOD |
|----------------------------|--|----------|------|------|--------------|-----------|-------|
| GAIN----- | | | 277 | 1668 | 479 | 868 | 3292 |
| MAINTENANCE----- | | | 2566 | 1844 | 503 | 3042 | 7960 |
| S & I----- | | | 90 | 171 | 11 | 186 | 458 |
| LOSS (NON-RETM)----- | | | 42 | 33 | 10 | 46 | 131 |
| **FIXED GAIN COST----- | | | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, FORCE COSTS----- | | | 2975 | 3716 | 1008 | 4742 | 11841 |
| RETIREMENT----- | | | 1159 | 874 | 238 | 1692 | 3963 |
| EARLY WITHDRAWAL----- | | | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, RETIREMENT----- | | | 1159 | 874 | 238 | 1692 | 3963 |
| SUBTOTAL, TOTAL COST----- | | | 4134 | 4590 | 1246 | 5834 | 15804 |

| | | | | | | |
|----------------------------|-------|------|------|-------|-------|--|
| ENLISTED COSTS: | | | | | | |
| GAIN----- | 926 | 527 | 388 | 573 | 2414 | |
| MAINTENANCE----- | 9793 | 6926 | 2536 | 7189 | 26444 | |
| S & I----- | 378 | 471 | 42 | 123 | 1014 | |
| LOSS (NON-REIMT)----- | 185 | 127 | 58 | 109 | 479 | |
| **FIXED GAIN COST----- | 0 | 0 | 0 | 0 | 2040 | |
| SUBTOTAL, FORCE COSTS----- | 11282 | 8051 | 3024 | 7994 | 32391 | |
| RETIREMENT----- | 2607 | 1585 | 422 | 2627 | 7241 | |
| EARLY WITHDRAWAL----- | 0 | 0 | 0 | 0 | 0 | |
| SUBTOTAL, RETIREMENT----- | 2607 | 1585 | 422 | 2627 | 7241 | |
| SUBTOTAL, TOTAL COST----- | 13889 | 9636 | 3446 | 10621 | 39632 | |

| | | | | | | | | | |
|----------------------------|-------|-------|------|-------|-------|--|--|--|--|
| TOTAL (OFF+ENL) COSTS: | | | | | | | | | |
| GAIN----- | 1203 | 2195 | 867 | 1441 | 5706 | | | | |
| MAINTENANCE----- | 12359 | 8770 | 3044 | 10231 | 34404 | | | | |
| S & I----- | 468 | 642 | 53 | 309 | 1472 | | | | |
| LOSS (NON-RETM)----- | 227 | 160 | 68 | 155 | 610 | | | | |
| **FIXED GAIN COST----- | 0 | 0 | 0 | 0 | 2040 | | | | |
| SUBTOTAL, FORCE COSTS----- | 14257 | 11767 | 4032 | 12136 | 44232 | | | | |
| RETIREMENT----- | 3766 | 2459 | 660 | 4319 | 11204 | | | | |
| EARLY WITHDRAWAL----- | 0 | 0 | 0 | 0 | 0 | | | | |
| SUBTOTAL, RETIREMENT----- | 3766 | 2459 | 660 | 4319 | 11204 | | | | |
| SUBTOTAL, TOTAL COST----- | 18023 | 14226 | 4692 | 16455 | 55436 | | | | |

NOTE: ON ALL ACOL RUNS, THE SERVICE TOTALS DO NOT INCLUDE FIXED GAIN COSTS; THE AMOUNT FOR FIXED GAIN COSTS, IF ANY, INCLUDES OFFICER COSTS AS WELL.

REFERENCE NUMBER: 27

RETMT OPTION: COLA 30/33%
 EARLY W/D OPTION: MCNE
 SOURCE: ACOL A

COSTS IN \$ MILLIONS

| SERVICE: | ARMY | NAVY | MARINE CORPS | AIR FORCE | DOD |
|----------------------------|-------|-------|--------------|-----------|-------|
| OFFICER COSTS: | | | | | |
| GAIN----- | 282 | 1702 | 481 | 874 | 3339 |
| MAINTENANCE----- | 2560 | 1838 | 508 | 3036 | 7942 |
| S & I----- | 90 | 170 | 11 | 185 | 456 |
| LOSS (NON-RETM)----- | 43 | 33 | 30 | 46 | 132 |
| **FIXED GAIN COST----- | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, FORCE COSTS----- | 2975 | 3743 | 1010 | 4141 | 11869 |
| RETIREMENT----- | 1082 | 821 | 223 | 1586 | 3712 |
| EARLY WITHDRAWAL----- | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, RETIREMENT----- | 1082 | 821 | 223 | 1586 | 3712 |
| SUBTOTAL, TOTAL COST----- | 4057 | 4564 | 1233 | 5727 | 15581 |
| ENLISTED COSTS: | | | | | |
| GAIN----- | 936 | 532 | 392 | 576 | 2436 |
| MAINTENANCE----- | 9758 | 6904 | 2523 | 7175 | 26360 |
| S & I----- | 379 | 467 | 41 | 123 | 1010 |
| LOSS (NON-RETM)----- | 187 | 128 | 59 | 110 | 484 |
| **FIXED GAIN COST----- | 0 | 0 | 0 | 0 | 2040 |
| SUBTOTAL, FORCE COSTS----- | 11260 | 8031 | 3015 | 7984 | 32330 |
| RETIREMENT----- | 2373 | 1444 | 376 | 2437 | 6630 |
| EARLY WITHDRAWAL----- | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, RETIREMENT----- | 2373 | 1444 | 376 | 2437 | 6630 |
| SUBTOTAL, TOTAL COST----- | 13633 | 9475 | 3391 | 10421 | 38960 |
| TOTAL (OFF+ENL) COSTS: | | | | | |
| GAIN----- | 1218 | 2234 | 873 | 1450 | 5775 |
| MAINTENANCE----- | 12318 | 8742 | 3031 | 10211 | 34302 |
| S & I----- | 469 | 637 | 52 | 308 | 1466 |
| LOSS (NON-RETM)----- | 230 | 161 | 69 | 156 | 616 |
| **FIXED GAIN COST----- | 0 | 0 | 0 | 0 | 2040 |
| SUBTOTAL, FORCE COSTS----- | 14235 | 11774 | 4025 | 12125 | 44199 |
| RETIREMENT----- | 3455 | 2265 | 599 | 4023 | 10342 |
| EARLY WITHDRAWAL----- | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, RETIREMENT----- | 3455 | 2265 | 599 | 4023 | 10342 |
| SUBTOTAL, TOTAL COST----- | 17690 | 14039 | 4624 | 16148 | 54541 |

NOTE: ON ALL ACOL RUNS, THE SERVICE TOTALS
 DO NOT INCLUDE FIXED GAIN COSTS; THE
 AMOUNT FOR FIXED GAIN COSTS, IF ANY,
 INCLUDES OFFICER COSTS AS WELL.

REFERENCE NUMBER: 28
 RETMT OPTION: COLA 30/0%
 EARLY W/D OPTION: NONE
 SOURCE: ACOL A

COSTS IN \$ MILLIONS

| OFFICER COSTS: | SERVICE: | ARMY | NAVY | MARINE CORPS | AIR FORCE | DOD |
|----------------------------|----------|-------|-------|--------------|-----------|-------|
| GAIN----- | | 282 | 1702 | 484 | 881 | 3349 |
| MAINTENANCE----- | | 2546 | 1831 | 507 | 3027 | 7911 |
| S & I----- | | 90 | 169 | 11 | 185 | 455 |
| LOSS (NON-RETM)----- | | 43 | 33 | 10 | 46 | 132 |
| **FIXED GAIN COST----- | | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, FORCE COSTS----- | | 2961 | 3735 | 1012 | 4139 | 11847 |
| RETIREMENT----- | | 949 | 735 | 197 | 1409 | 3250 |
| EARLY WITHDRAWAL----- | | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, RETIREMENT----- | | 949 | 735 | 197 | 1409 | 3250 |
| SUBTOTAL, TOTAL COST----- | | 3910 | 4470 | 1209 | 5548 | 15137 |
| ENLISTED COSTS: | | | | | | |
| GAIN----- | | 948 | 540 | 399 | 579 | 2466 |
| MAINTENANCE----- | | 9722 | 6864 | 2500 | 7168 | 26254 |
| S & I----- | | 380 | 459 | 39 | 122 | 1000 |
| LOSS (NON-RETM)----- | | 190 | 130 | 60 | 110 | 490 |
| **FIXED GAIN COST----- | | 0 | 0 | 0 | 0 | 2040 |
| SUBTOTAL, FORCE COSTS----- | | 11240 | 7993 | 2998 | 7979 | 32250 |
| RETIREMENT----- | | 2026 | 1209 | 301 | 2144 | 5680 |
| EARLY WITHDRAWAL----- | | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, RETIREMENT----- | | 2026 | 1209 | 301 | 2144 | 5680 |
| SUBTOTAL, TOTAL COST----- | | 13266 | 9202 | 3299 | 10123 | 37930 |
| TOTAL (OFF+ENL) COSTS: | | | | | | |
| GAIN----- | | 1230 | 2242 | 883 | 1460 | 5815 |
| MAINTENANCE----- | | 12268 | 8695 | 3007 | 10195 | 34165 |
| S & I----- | | 470 | 628 | 50 | 307 | 1455 |
| LOSS (NON-RETM)----- | | 233 | 163 | 70 | 156 | 622 |
| **FIXED GAIN COST----- | | 0 | 0 | 0 | 0 | 2040 |
| SUBTOTAL, FORCE COSTS----- | | 14201 | 11728 | 4010 | 12118 | 44097 |
| RETIREMENT----- | | 2975 | 1944 | 498 | 3553 | 8970 |
| EARLY WITHDRAWAL----- | | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, RETIREMENT----- | | 2975 | 1944 | 498 | 3553 | 8970 |
| SUBTOTAL, TOTAL COST----- | | 17176 | 13672 | 4508 | 15671 | 53067 |

NOTE: ON ALL ACOL RUMS, THE SERVICE TOTALS
 DO NOT INCLUDE FIXED GAIN COSTS; THE
 AMOUNT FOR FIXED GAIN COSTS, IF ANY,
 INCLUDES OFFICER COSTS AS WELL.

REFERENCE NUMBER: 29

REIMT OPTION: COLA 62/90%
 EARLY W/D OPTION: NONE
 SOURCE: ACOL A

COSTS IN \$ MILLIONS

| OFFICER COSTS: | SERVICE: | ARMY | NAVY | MARINE CORPS | AIR FORCE | DOD |
|----------------------------|----------|-------|-------|--------------|-----------|-------|
| GAIN----- | | 273 | 1628 | 472 | 851 | 3224 |
| MAINTENANCE----- | | 2576 | 1852 | 509 | 3050 | 7987 |
| S & I----- | | 91 | 175 | 12 | 187 | 465 |
| LOSS (NON-REIMT)----- | | 41 | 32 | 10 | 45 | 128 |
| **FIXED GAIN COST----- | | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, FORCE COSTS----- | | 2981 | 3687 | 1003 | 4133 | 11804 |
| RETIREMENT----- | | 1272 | 951 | 258 | 1861 | 4342 |
| EARLY WITHDRAWAL----- | | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, RETIREMENT----- | | 1272 | 951 | 258 | 1861 | 4342 |
| SUBTOTAL, TOTAL COST----- | | 4253 | 4638 | 1261 | 5994 | 16146 |
| ENLISTED COSTS: | | | | | | |
| GAIN----- | | 905 | 517 | 379 | 565 | 2366 |
| MAINTENANCE----- | | 9858 | 6964 | 2560 | 7209 | 26591 |
| S & I----- | | 376 | 481 | 45 | 123 | 1025 |
| LOSS (NON-REIMT)----- | | 181 | 124 | 57 | 108 | 470 |
| **FIXED GAIN COST----- | | 0 | 0 | 0 | 0 | 2040 |
| SUBTOTAL, FORCE COSTS----- | | 11320 | 8086 | 3041 | 8005 | 32492 |
| RETIREMENT----- | | 3058 | 1846 | 505 | 2985 | 8394 |
| EARLY WITHDRAWAL----- | | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, RETIREMENT----- | | 3058 | 1846 | 505 | 2985 | 8394 |
| SUBTOTAL, TOTAL COST----- | | 14378 | 9932 | 3546 | 10990 | 40886 |
| TOTAL (OFF+ENL) COSTS: | | | | | | |
| GAIN----- | | 1178 | 2145 | 851 | 1416 | 5590 |
| MAINTENANCE----- | | 12434 | 8816 | 3069 | 10259 | 34578 |
| S & I----- | | 467 | 655 | 57 | 310 | 1490 |
| LOSS (NON-REIMT)----- | | 222 | 156 | 67 | 153 | 598 |
| **FIXED GAIN COST----- | | 0 | 0 | 0 | 0 | 2040 |
| SUBTOTAL, FORCE COSTS----- | | 14301 | 11773 | 4044 | 12138 | 44296 |
| RETIREMENT----- | | 4330 | 2797 | 763 | 4846 | 12736 |
| EARLY WITHDRAWAL----- | | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, RETIREMENT----- | | 4330 | 2797 | 763 | 4846 | 12736 |
| SUBTOTAL, TOTAL COST----- | | 18631 | 14570 | 4807 | 16984 | 57032 |

NOTE: ON ALL ACOL RUNS, THE SERVICE TOTALS
 DO NOT INCLUDE FIXED GAIN COSTS; THE
 AMOUNT FOR FIXED GAIN COSTS, IF ANY,
 INCLUDES OFFICER COSTS AS WELL.

REFERENCE NUMBER: 30

RETM OPTION: COLA 62/75%
 EARLY W/D OPTION: NONE
 SOURCE: ACOL A

COSTS IN \$ MILLIONS

| OFFICER COSTS: | SERVICE: | ARMY | NAVY | MARINE CORPS | AIR FORCE | DOD |
|----------------------------|----------|------|------|--------------|-----------|-------|
| GAIN----- | | 279 | 1667 | 481 | 871 | 3298 |
| MAINTENANCE----- | | 2556 | 1838 | 506 | 3028 | 7928 |
| S & I----- | | 90 | 173 | 12 | 186 | 461 |
| LOSS (NON-RETM)----- | | 42 | 32 | 10 | 46 | 130 |
| **FIXED GAIN COST----- | | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, FORCE COSTS----- | | 2967 | 3710 | 1009 | 4131 | 11817 |
| RETIREMENT----- | | 1134 | 852 | 232 | 1668 | 3886 |
| EARLY WITHDRAWAL----- | | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, RETIREMENT----- | | 1134 | 852 | 232 | 1668 | 3886 |
| SUBTOTAL, TOTAL COST----- | | 4101 | 4562 | 1241 | 5799 | 15703 |

| ENLISTED COSTS: | SERVICE: | ARMY | NAVY | MARINE CORPS | AIR FORCE | DOD |
|----------------------------|----------|-------|------|--------------|-----------|-------|
| GAIN----- | | 921 | 525 | 385 | 573 | 2404 |
| MAINTENANCE----- | | 9792 | 6924 | 2538 | 7172 | 26426 |
| S & I----- | | 378 | 474 | 44 | 123 | 1019 |
| LOSS (NON-RETM)----- | | 184 | 126 | 58 | 109 | 477 |
| **FIXED GAIN COST----- | | 0 | 0 | 0 | 0 | 2040 |
| SUBTOTAL, FORCE COSTS----- | | 11275 | 8049 | 3025 | 7977 | 32366 |
| RETIREMENT----- | | 2610 | 1582 | 420 | 2605 | 7217 |
| EARLY WITHDRAWAL----- | | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, RETIREMENT----- | | 2610 | 1582 | 420 | 2605 | 7217 |
| SUBTOTAL, TOTAL COST----- | | 13885 | 9631 | 3445 | 10582 | 39583 |

| TOTAL (OFF+ENL) COSTS: | SERVICE: | ARMY | NAVY | MARINE CORPS | AIR FORCE | DOD |
|----------------------------|----------|-------|-------|--------------|-----------|-------|
| GAIN----- | | 1200 | 2192 | 866 | 1444 | 5702 |
| MAINTENANCE----- | | 12348 | 8762 | 3044 | 10200 | 34354 |
| S & I----- | | 468 | 647 | 56 | 309 | 1480 |
| LOSS (NON-RETM)----- | | 226 | 158 | 68 | 155 | 607 |
| **FIXED GAIN COST----- | | 0 | 0 | 0 | 0 | 2040 |
| SUBTOTAL, FORCE COSTS----- | | 14242 | 11759 | 4034 | 12108 | 44183 |
| RETIREMENT----- | | 3744 | 2434 | 652 | 4273 | 11103 |
| EARLY WITHDRAWAL----- | | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, RETIREMENT----- | | 3744 | 2434 | 652 | 4273 | 11103 |
| SUBTOTAL, TOTAL COST----- | | 17986 | 14193 | 4686 | 16381 | 55286 |

NOTE: ON ALL ACOL RUNS, THE SERVICE TOTALS
 DO NOT INCLUDE FIXED GAIN COSTS; THE
 AMOUNT FOR FIXED GAIN COSTS, IF ANY,
 INCLUDES OFFICER COSTS AS WELL.

REFERENCE NUMBER: 31

RETMT OPTION: COLA 62/67%
 EARLY W/D OPTION: NONE
 SOURCE: ACOL A

COSTS IN \$ MILLIONS

| OFFICER COSTS: | SERVICE: | ARMY | NAVY | MARINE CORPS | AIR FORCE | DOD |
|----------------------------|----------|-------|-------|--------------|-----------|-------|
| GAIN----- | | 282 | 1667 | 485 | 881 | 3315 |
| MAINTENANCE----- | | 2546 | 1830 | 505 | 3017 | 7898 |
| S & I----- | | 90 | 172 | 11 | 186 | 459 |
| LOSS (NON-RETMT)----- | | 43 | 32 | 10 | 46 | 131 |
| **FIXED GAIN COST----- | | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, FORCE COSTS----- | | 2961 | 3701 | 1011 | 4130 | 11803 |
| RETIREMENT----- | | 1100 | 928 | 228 | 1617 | 3773 |
| EARLY WITHDRAWAL----- | | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, RETIREMENT----- | | 1100 | 928 | 228 | 1617 | 3773 |
| SUBTOTAL, TOTAL COST----- | | 4061 | 4529 | 1239 | 5747 | 15576 |
| ENLISTED COSTS: | | | | | | |
| GAIN----- | | 929 | 528 | 388 | 576 | 2421 |
| MAINTENANCE----- | | 9760 | 6995 | 2528 | 7155 | 26348 |
| S & I----- | | 379 | 471 | 43 | 123 | 1016 |
| LOSS (NON-RETMT)----- | | 186 | 127 | 58 | 110 | 481 |
| **FIXED GAIN COST----- | | 0 | 0 | 0 | 0 | 2040 |
| SUBTOTAL, FORCE COSTS----- | | 11254 | 8031 | 3017 | 7964 | 32306 |
| RETIREMENT----- | | 2433 | 1481 | 395 | 2440 | 6749 |
| EARLY WITHDRAWAL----- | | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, RETIREMENT----- | | 2433 | 1481 | 395 | 2440 | 6749 |
| SUBTOTAL, TOTAL COST----- | | 13687 | 9512 | 3412 | 10404 | 39055 |
| TOTAL (OFF+ENL) COSTS: | | | | | | |
| GAIN----- | | 1211 | 2195 | 873 | 1457 | 5736 |
| MAINTENANCE----- | | 12306 | 8735 | 3033 | 10172 | 34246 |
| S & I----- | | 469 | 643 | 54 | 309 | 1475 |
| LOSS (NON-RETMT)----- | | 229 | 159 | 68 | 156 | 612 |
| **FIXED GAIN COST----- | | 0 | 0 | 0 | 0 | 2040 |
| SUBTOTAL, FORCE COSTS----- | | 14215 | 11732 | 4028 | 12094 | 44109 |
| RETIREMENT----- | | 3533 | 2309 | 623 | 4057 | 10522 |
| EARLY WITHDRAWAL----- | | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, RETIREMENT----- | | 3533 | 2309 | 623 | 4057 | 10522 |
| SUBTOTAL, TOTAL COST----- | | 17748 | 14041 | 4651 | 16151 | 54631 |

NOTE: ON ALL ACOL RUNS, THE SERVICE TOTALS
 DO NOT INCLUDE FIXED GAIN COSTS; THE
 AMOUNT FOR FIXED GAIN COSTS, IF ANY,
 INCLUDES OFFICER COSTS AS WELL.

REFERENCE NUMBER: 32

RETM OPTION: COLA 52/50%
 EARLY W/D OPTION: NONE
 SOURCE: ACOL A

COSTS IN \$ MILLIONS

| OFFICER COSTS: | SERVICE: | ARMY | NAVY | MARINE CORPS | AIR FORCE | DOD |
|----------------------------|----------|-------|-------|--------------|-----------|-------|
| GAIN----- | | 288 | 1727 | 494 | 901 | 3410 |
| MAINTENANCE----- | | 2526 | 1815 | 502 | 2995 | 7838 |
| S & I----- | | 90 | 170 | 11 | 185 | 456 |
| LOSS (NON-RETM)----- | | 44 | 34 | 10 | 47 | 135 |
| **FIXED GAIN COST----- | | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, FORCE COSTS----- | | 2948 | 3746 | 1017 | 4128 | 11839 |
| RETIREMENT----- | | 961 | 728 | 200 | 1422 | 3311 |
| EARLY WITHDRAWAL----- | | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, RETIREMENT----- | | 961 | 728 | 200 | 1422 | 3311 |
| SUBTOTAL, TOTAL COST----- | | 3909 | 4474 | 1217 | 5550 | 15150 |
| ENLISTED COSTS: | | | | | | |
| GAIN----- | | 944 | 536 | 394 | 582 | 2456 |
| MAINTENANCE----- | | 9699 | 6867 | 2508 | 7124 | 26198 |
| S & I----- | | 281 | 465 | 41 | 123 | 1010 |
| LOSS (NON-RETM)----- | | 189 | 129 | 59 | 111 | 488 |
| **FIXED GAIN COST----- | | 0 | 0 | 0 | 0 | 2040 |
| SUBTOTAL, FORCE COSTS----- | | 11213 | 7997 | 3002 | 7940 | 32192 |
| RETIREMENT----- | | 2023 | 1235 | 312 | 2100 | 5670 |
| EARLY WITHDRAWAL----- | | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, RETIREMENT----- | | 2023 | 1235 | 312 | 2100 | 5670 |
| SUBTOTAL, TOTAL COST----- | | 13236 | 9232 | 3314 | 10040 | 37862 |
| TOTAL (OFF+ENL) COSTS: | | | | | | |
| GAIN----- | | 1232 | 2263 | 888 | 1483 | 5866 |
| MAINTENANCE----- | | 12225 | 8682 | 3010 | 10119 | 34036 |
| S & I----- | | 471 | 635 | 52 | 308 | 1466 |
| LOSS (NON-RETM)----- | | 233 | 163 | 69 | 158 | 623 |
| **FIXED GAIN COST----- | | 0 | 0 | 0 | 0 | 2040 |
| SUBTOTAL, FORCE COSTS----- | | 14161 | 11743 | 4019 | 12068 | 44031 |
| RETIREMENT----- | | 2984 | 1963 | 512 | 3522 | 8981 |
| EARLY WITHDRAWAL----- | | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, RETIREMENT----- | | 2984 | 1963 | 512 | 3522 | 8981 |
| SUBTOTAL, TOTAL COST----- | | 17145 | 13706 | 4531 | 15590 | 53012 |

NOTE: ON ALL ACOL RUNS, THE SERVICE TOTALS
 DO NOT INCLUDE FIXED GAIN COSTS; THE
 AMOUNT FOR FIXED GAIN COSTS, IF ANY,
 INCLUDES OFFICER COSTS AS WELL.

REFERENCE NUMBER: 33

RETM OPTION: COLA 62/50%
EARLY W/D OPTION: 160--40--50
SOURCE: ACOL A

COSTS IN \$ MILLIONS

| OFFICER COSTS: | SERVICE: | ARMY | NAVY | MARINE CORPS | AIR FORCE | DOD |
|----------------------------|----------|-------|-------|--------------|-----------|-------|
| GAIN----- | ----- | 260 | 1556 | 453 | 214 | 3083 |
| MAINTENANCE----- | ----- | 2621 | 1881 | 516 | 3089 | 8107 |
| S & I----- | ----- | 91 | 177 | 12 | 189 | 469 |
| LOSS (NON-RETM)----- | ----- | 39 | 30 | 9 | 43 | 121 |
| **FIXED GAIN COST----- | ----- | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, FORCE COSTS----- | ----- | 3011 | 3644 | 990 | 4135 | 11780 |
| RETIREMENT----- | ----- | 1090 | 810 | 221 | 1558 | 3679 |
| EARLY WITHDRAWAL----- | ----- | 120 | 95 | 22 | 169 | 406 |
| SUBTOTAL, RETIREMENT----- | ----- | 1210 | 905 | 243 | 1727 | 4085 |
| SUBTOTAL, TOTAL COST----- | ----- | 4221 | 4549 | 1233 | 5862 | 15865 |
| ENLISTED COSTS: | ----- | | | | | |
| GAIN----- | ----- | 883 | 506 | 370 | 552 | 2311 |
| MAINTENANCE----- | ----- | 9971 | 7033 | 2597 | 7291 | 26892 |
| S & I----- | ----- | 373 | 490 | 48 | 124 | 1035 |
| LOSS (NON-RETM)----- | ----- | 177 | 122 | 55 | 105 | 459 |
| **FIXED GAIN COST----- | ----- | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, FORCE COSTS----- | ----- | 11404 | 8151 | 3070 | 8072 | 32737 |
| RETIREMENT----- | ----- | 2511 | 1514 | 439 | 2381 | 6845 |
| EARLY WITHDRAWAL----- | ----- | 320 | 180 | 58 | 311 | 869 |
| SUBTOTAL, RETIREMENT----- | ----- | 2831 | 1694 | 497 | 2692 | 7714 |
| SUBTOTAL, TOTAL COST----- | ----- | 14235 | 9845 | 3567 | 10764 | 40451 |
| TOTAL (OFF+ENL) COSTS: | ----- | | | | | |
| GAIN----- | ----- | 1143 | 2062 | 823 | 1366 | 5394 |
| MAINTENANCE----- | ----- | 12592 | 8914 | 3113 | 10380 | 34999 |
| S & I----- | ----- | 464 | 667 | 60 | 313 | 1504 |
| LOSS (NON-RETM)----- | ----- | 216 | 152 | 64 | 148 | 580 |
| **FIXED GAIN COST----- | ----- | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, FORCE COSTS----- | ----- | 14415 | 11795 | 4060 | 12207 | 44517 |
| RETIREMENT----- | ----- | 3601 | 2324 | 660 | 3939 | 10524 |
| EARLY WITHDRAWAL----- | ----- | 446 | 275 | 80 | 480 | 1275 |
| SUBTOTAL, RETIREMENT----- | ----- | 4047 | 2599 | 740 | 4419 | 11799 |
| SUBTOTAL, TOTAL COST----- | ----- | 18462 | 14394 | 4800 | 16626 | 56316 |

NOTE: ON ALL ACOL RUNS, THE SERVICE TOTALS
DO NOT INCLUDE FIXED GAIN COSTS; THE
AMOUNT FOR FIXED GAIN COSTS, IF ANY,
INCLUDES OFFICER COSTS AS WELL.

REFERENCE NUMBER: 34

REMIT OPTION: COLA 62/33%
 EARLY W/D OPTION: NONE
 SOURCE: ACOL A

COSTS IN \$ MILLIONS

| OFFICER COSTS: | SERVICE: | ARMY | NAVY | MARINE CORPS | AIR FORCE | DOD |
|----------------------------|----------|-------|-------|--------------|-----------|-------|
| GAIN----- | ----- | 293 | 1765 | 502 | 920 | 3480 |
| MAINTENANCE----- | ----- | 2506 | 1800 | 499 | 2973 | 7778 |
| S & I----- | ----- | 90 | 168 | 11 | 184 | 453 |
| LOSS (NON-RETIM)----- | ----- | 44 | 34 | 10 | 48 | 136 |
| **FIXED GAIN COST----- | ----- | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, FORCE COSTS----- | ----- | 2933 | 3767 | 1022 | 4125 | 11847 |
| RETIREMENT----- | ----- | 827 | 631 | 173 | 1235 | 2866 |
| EARLY WITHDRAWAL----- | ----- | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, RETIREMENT----- | ----- | 827 | 631 | 173 | 1235 | 2866 |
| SUBTOTAL, TOTAL COST----- | ----- | 3760 | 4398 | 1195 | 5360 | 14713 |
| ENLISTED COSTS: | | | | | | |
| GAIN----- | ----- | 957 | 542 | 400 | 587 | 2486 |
| MAINTENANCE----- | ----- | 9647 | 6835 | 2491 | 7097 | 26070 |
| S & I----- | ----- | 382 | 459 | 39 | 123 | 1003 |
| LOSS (NON-RETIM)----- | ----- | 192 | 130 | 60 | 112 | 494 |
| **FIXED GAIN COST----- | ----- | 0 | 0 | 0 | 0 | 2040 |
| SUBTOTAL, FORCE COSTS----- | ----- | 11178 | 7966 | 2990 | 7919 | 32093 |
| RETIREMENT----- | ----- | 1718 | 1051 | 258 | 1822 | 4849 |
| EARLY WITHDRAWAL----- | ----- | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, RETIREMENT----- | ----- | 1718 | 1051 | 258 | 1822 | 4849 |
| SUBTOTAL, TOTAL COST----- | ----- | 12896 | 9017 | 3248 | 9741 | 36942 |
| TOTAL (OFF+ENL) COSTS: | | | | | | |
| GAIN----- | ----- | 1250 | 2307 | 902 | 1507 | 5966 |
| MAINTENANCE----- | ----- | 12153 | 8635 | 2990 | 10070 | 33848 |
| S & I----- | ----- | 472 | 627 | 50 | 307 | 1456 |
| LOSS (NON-RETIM)----- | ----- | 236 | 164 | 70 | 160 | 630 |
| **FIXED GAIN COST----- | ----- | 0 | 0 | 0 | 0 | 2040 |
| SUBTOTAL, FORCE COSTS----- | ----- | 14111 | 11733 | 4012 | 12044 | 43940 |
| RETIREMENT----- | ----- | 2545 | 1682 | 431 | 3057 | 7715 |
| EARLY WITHDRAWAL----- | ----- | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, RETIREMENT----- | ----- | 2545 | 1682 | 431 | 3057 | 7715 |
| SUBTOTAL, TOTAL COST----- | ----- | 16656 | 13415 | 4443 | 15101 | 51655 |

NOTE: ON ALL ACOL RUNS, THE SERVICE TOTALS
 DO NOT INCLUDE FIXED GAIN COSTS; THE
 AMOUNT FOR FIXED GAIN COSTS, IF ANY,
 INCLUDES OFFICER COSTS AS WELL.

REFERENCE NUMBER: 35

RETI OPTION: COLA 62/0%
 EARLY W/D OPTION: NONE
 SOURCE: ACOL A

COSTS IN \$ MILLIONS

| SERVICE: | ARMY | NAVY | MARINE CORPS | AIR FORCE | DOD |
|-------------------------------|-------|-------|--------------|-----------|-------|
| OFFICER COSTS: | | | | | |
| GAIN----- | 303 | 1831 | 515 | 953 | 3602 |
| MAINTENANCE----- | 2471 | 1776 | 495 | 2937 | 7679 |
| S & I----- | 89 | 165 | 11 | 182 | 447 |
| LOSS (NON-RETI)----- | 45 | 36 | 11 | 50 | 143 |
| **FIXED GAIN COST----- | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, FORCE COSTS----- | 2909 | 3808 | 1032 | 4122 | 11871 |
| RETIREMENT----- | 648 | 505 | 139 | 988 | 2280 |
| EARLY WITHDRAWAL----- | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, RETIREMENT----- | 648 | 505 | 139 | 988 | 2280 |
| SUBTOTAL, TOTAL COST----- | 3557 | 4313 | 1171 | 5110 | 14151 |
| ENLISTED COSTS: | | | | | |
| GAIN----- | 972 | 551 | 408 | 595 | 2526 |
| MAINTENANCE----- | 9577 | 6787 | 2465 | 7055 | 25884 |
| S & I----- | 384 | 451 | 37 | 123 | 995 |
| LOSS (NON-RETI)----- | 194 | 133 | 61 | 113 | 501 |
| **FIXED GAIN COST----- | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, FORCE COSTS----- | 11127 | 7922 | 2971 | 7886 | 31946 |
| RETIREMENT----- | 1283 | 787 | 183 | 1407 | 3660 |
| EARLY WITHDRAWAL----- | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, RETIREMENT----- | 1283 | 787 | 183 | 1407 | 3660 |
| SUBTOTAL, TOTAL COST----- | 12410 | 8709 | 3154 | 9293 | 35606 |
| TOTAL (OFF+ENL) COSTS: | | | | | |
| GAIN----- | 1275 | 2382 | 923 | 1548 | 6128 |
| MAINTENANCE----- | 12048 | 8563 | 2960 | 9992 | 33563 |
| S & I----- | 473 | 616 | 48 | 305 | 1442 |
| LOSS (NON-RETI)----- | 240 | 169 | 72 | 163 | 644 |
| **FIXED GAIN COST----- | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, FORCE COSTS----- | 14036 | 11730 | 4003 | 12008 | 43817 |
| RETIREMENT----- | 1931 | 1292 | 322 | 2395 | 5940 |
| EARLY WITHDRAWAL----- | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, RETIREMENT----- | 1931 | 1292 | 322 | 2395 | 5940 |
| SUBTOTAL, TOTAL COST----- | 15967 | 13022 | 4325 | 14403 | 49757 |

NOTE: ON ALL ACOL RUNS, THE SERVICE TOTALS
 DO NOT INCLUDE FIXED GAIN COSTS; THE
 AMOUNT FOR FIXED GAIN COSTS, IF ANY,
 INCLUDES OFFICER COSTS AS WELL.

REFERENCE NUMBER: 36

RETIPT OPTION: COLA LIFE/75%
 EARLY W/D OPTION: NONE
 SOURCE: ACOL A

COSTS IN \$ MILLIONS

| SERVICE: | ARMY | NAVY | MARINE CORPS | AIR FORCE | DOD |
|----------------------------|-------|-------|--------------|-----------|-------|
| OFFICER COSTS: | | | | | |
| GAIN----- | 281 | 1681 | 484 | 877 | 3323 |
| MAINTENANCE----- | 2547 | 1830 | 505 | 3018 | 7900 |
| S & I----- | 119 | 111 | 5 | 148 | 383 |
| LOSS (NON-RETIPT)----- | 43 | 33 | 10 | 46 | 132 |
| **FIXED GAIN COST----- | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, FORCE COSTS----- | 2990 | 3655 | 1004 | 4089 | 11738 |
| RETIPT----- | 1100 | 827 | 229 | 1617 | 3773 |
| EARLY WITHDRAWAL----- | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, RETIPT----- | 1100 | 827 | 229 | 1617 | 3773 |
| SUBTOTAL, TOTAL COST----- | 4090 | 4482 | 1233 | 5706 | 15511 |
| ENLISTED COSTS: | | | | | |
| GAIN----- | 924 | 526 | 386 | 575 | 2411 |
| MAINTENANCE----- | 9785 | 6921 | 2536 | 7166 | 26408 |
| S & I----- | 378 | 473 | 43 | 123 | 1017 |
| LOSS (NON-RETIPT)----- | 185 | 127 | 58 | 110 | 480 |
| **FIXED GAIN COST----- | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, FORCE COSTS----- | 11272 | 8047 | 3023 | 7974 | 32356 |
| RETIPT----- | 2532 | 1543 | 416 | 2507 | 6998 |
| EARLY WITHDRAWAL----- | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, RETIPT----- | 2532 | 1543 | 416 | 2507 | 6998 |
| SUBTOTAL, TOTAL COST----- | 13804 | 9590 | 3439 | 10481 | 39354 |
| TOTAL (OFF+ENL) COSTS: | | | | | |
| GAIN----- | 1205 | 2207 | 870 | 1452 | 5734 |
| MAINTENANCE----- | 12332 | 8751 | 3041 | 10184 | 34308 |
| S & I----- | 497 | 584 | 48 | 271 | 1400 |
| LOSS (NON-RETIPT)----- | 228 | 160 | 68 | 156 | 612 |
| **FIXED GAIN COST----- | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, FORCE COSTS----- | 14262 | 11702 | 4027 | 12063 | 2040 |
| RETIPT----- | 3632 | 2370 | 645 | 4124 | 10771 |
| EARLY WITHDRAWAL----- | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, RETIPT----- | 3632 | 2370 | 645 | 4124 | 10771 |
| SUBTOTAL, TOTAL COST----- | 17894 | 14072 | 4672 | 16187 | 54865 |

NOTE: ON ALL ACOL RUNS, THE SERVICE TOTALS
 DO NOT INCLUDE FIXED GAIN COSTS; THE
 AMOUNT FOR FIXED GAIN COSTS, IF ANY,
 INCLUDES OFFICER COSTS AS WELL.

REFERENCE NUMBER: 37

RTMT OPTION: COLA LIFE/50%

EARLY W/D OPTION: NONE

SOURCE: ACOL A

COSTS IN \$ MILLIONS

| OFFICER COSTS: | SERVICE: | ARMY | NAVY | MARINE CORPS | AIR FORCE | DOD |
|----------------------------|----------|-------|-------|--------------|-----------|-------|
| GAIN----- | | 291 | 1747 | 498 | 912 | 3448 |
| MAINTENANCE----- | | 2512 | 1804 | 500 | 2979 | 7795 |
| S & I----- | | 118 | 110 | 5 | 147 | 380 |
| LOSS (NON-RETI)----- | | 44 | 34 | 10 | 48 | 136 |
| **FIXED GAIN COST----- | | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, FORCE COSTS----- | | 2965 | 3695 | 1013 | 4086 | 11759 |
| RETIREMENT----- | | 860 | 651 | 181 | 1279 | 2971 |
| EARLY WITHDRAWAL----- | | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, RETIREMENT----- | | 860 | 651 | 181 | 1279 | 2971 |
| SUBTOTAL, TOTAL COST----- | | 3825 | 4346 | 1194 | 5365 | 14730 |
| ENLISTED COSTS: | | | | | | |
| GAIN----- | | 948 | 537 | 396 | 589 | 2470 |
| MAINTENANCE----- | | 9685 | 6860 | 2504 | 7104 | 26153 |
| S & I----- | | 381 | 463 | 40 | 122 | 1006 |
| LOSS (NON-RETI)----- | | 190 | 129 | 59 | 112 | 490 |
| **FIXED GAIN COST----- | | 0 | 0 | 0 | 0 | 2040 |
| SUBTOTAL, FORCE COSTS----- | | 11204 | 7989 | 2959 | 7927 | 32159 |
| RETIREMENT----- | | 1897 | 1163 | 297 | 1945 | 5302 |
| EARLY WITHDRAWAL----- | | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, RETIREMENT----- | | 1897 | 1163 | 297 | 1945 | 5302 |
| SUBTOTAL, TOTAL COST----- | | 13101 | 9152 | 3296 | 9872 | 37461 |
| TOTAL (OFF+ENL) COSTS: | | | | | | |
| GAIN----- | | 1239 | 2284 | 894 | 1501 | 5918 |
| MAINTENANCE----- | | 12197 | 8664 | 3004 | 10083 | 33948 |
| S & I----- | | 499 | 573 | 45 | 269 | 1386 |
| LOSS (NON-RETI)----- | | 234 | 163 | 69 | 160 | 626 |
| **FIXED GAIN COST----- | | 0 | 0 | 0 | 0 | 2040 |
| SUBTOTAL, FORCE COSTS----- | | 14169 | 11684 | 4012 | 12013 | 43918 |
| RETIREMENT----- | | 2757 | 1814 | 478 | 3224 | 8273 |
| EARLY WITHDRAWAL----- | | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, RETIREMENT----- | | 2757 | 1814 | 478 | 3224 | 8273 |
| SUBTOTAL, TOTAL COST----- | | 16926 | 13498 | 4490 | 15237 | 52191 |

NOTE: ON ALL ACOL RUNS, THE SERVICE TOTALS
DO NOT INCLUDE FIXED GAIN COSTS; THE
AMOUNT FOR FIXED GAIN COSTS, IF ANY,
INCLUDES OFFICER COSTS AS WELL.

REFERENCE NUMBER: 38

RETMT OPTION: COLA LIFE/25%
 EARLY W/D OPTION: NONE
 SOURCE: ACOL A

COSTS IN \$ MILLIONS

| SERVICE: | ARMY | NAVY | MARINE CORPS | AIR FORCE | DOD |
|-------------------------------|-------|-------|--------------|-----------|-------|
| OFFICER COSTS: | | | | | |
| GAIN----- | 300 | 1804 | 511 | 941 | 3556 |
| MAINTENANCE----- | 2481 | 1782 | 496 | 2946 | 7705 |
| S & I----- | 118 | 108 | 5 | 147 | 378 |
| LOSS (NON-RETMT)----- | 45 | 35 | 11 | 50 | 141 |
| **FIXED GAIN COST----- | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, FORCE COSTS----- | 2944 | 3729 | 1023 | 4084 | 11780 |
| RETIREMENT----- | 681 | 521 | 146 | 1029 | 2377 |
| EARLY WITHDRAWAL----- | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, RETIREMENT----- | 681 | 521 | 146 | 1029 | 2377 |
| SUBTOTAL, TOTAL COST----- | 3625 | 4250 | 1169 | 5113 | 14157 |
| ENLISTED COSTS: | | | | | |
| GAIN----- | 967 | 547 | 403 | 599 | 2516 |
| MAINTENANCE----- | 9608 | 6812 | 2480 | 7056 | 25956 |
| S & I----- | 383 | 455 | 38 | 121 | 997 |
| LOSS (NON-RETMT)----- | 194 | 132 | 60 | 114 | 500 |
| **FIXED GAIN COST----- | 0 | 0 | 0 | 0 | 2040 |
| SUBTOTAL, FORCE COSTS----- | 11152 | 7946 | 2981 | 7890 | 32009 |
| RETIREMENT----- | 1460 | 899 | 219 | 1544 | 4122 |
| EARLY WITHDRAWAL----- | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, RETIREMENT----- | 1460 | 899 | 219 | 1544 | 4122 |
| SUBTOTAL, TOTAL COST----- | 12612 | 8845 | 3200 | 9434 | 36131 |
| TOTAL (OFF+EML) COSTS: | | | | | |
| GAIN----- | 1267 | 2351 | 914 | 1540 | 6072 |
| MAINTENANCE----- | 12089 | 8504 | 2976 | 10002 | 33661 |
| S & I----- | 501 | 563 | 43 | 268 | 1375 |
| LOSS (NON-RETMT)----- | 239 | 167 | 71 | 164 | 641 |
| **FIXED GAIN COST----- | 0 | 0 | 0 | 0 | 2040 |
| SUBTOTAL, FORCE COSTS----- | 14096 | 11675 | 4004 | 11974 | 43789 |
| RETIREMENT----- | 2141 | 1420 | 365 | 2573 | 6499 |
| EARLY WITHDRAWAL----- | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, RETIREMENT----- | 2141 | 1420 | 365 | 2573 | 6499 |
| SUBTOTAL, TOTAL COST----- | 16237 | 13095 | 4369 | 14547 | 50288 |

NOTE: ON ALL ACOL RUNS, THE SERVICE TOTALS
 DO NOT INCLUDE FIXED GAIN COSTS; THE
 AMOUNT FOR FIXED GAIN COSTS, IF ANY,
 INCLUDES OFFICER COSTS AS WELL.

REFERENCE NUMBER: 39

RTMT OPTION: COLA LIFE/0%
 EARLY W/D OPTION: NONE
 SOURCE: ACOL A

COSTS IN \$ MILLIONS

| OFFICER COSTS: | SERVICE: | ARMY | NAVY | MARINE CORPS | AIR FORCE | DOO |
|----------------------------|----------|-------|-------|--------------|-----------|-------|
| GAIN----- | | 307 | 1852 | 521 | 967 | 3647 |
| MAINTENANCE----- | | 2454 | 1763 | 492 | 2919 | 7628 |
| S & I----- | | 117 | 107 | 5 | 146 | 375 |
| LOSS (NON-RETI)----- | | 47 | 36 | 11 | 51 | 145 |
| **FIXED GAIN COST----- | | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, FORCE COSTS----- | | 2925 | 3758 | 1029 | 4083 | 11795 |
| RETIREMENT----- | | 548 | 426 | 119 | 842 | 1935 |
| EARLY WITHDRAWAL----- | | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, RETIREMENT----- | | 548 | 426 | 119 | 842 | 1935 |
| SUBTOTAL, TOTAL COST----- | | 3473 | 4184 | 1148 | 4925 | 13730 |
| ENLISTED COSTS: | | | | | | |
| GAIN----- | | 942 | 554 | 409 | 608 | 2553 |
| MAINTENANCE----- | | 9546 | 6773 | 2461 | 7018 | 25798 |
| S & I----- | | 385 | 448 | 36 | 121 | 990 |
| LOSS (NON-RETI)----- | | 197 | 133 | 61 | 116 | 507 |
| **FIXED GAIN COST----- | | 0 | 0 | 0 | 0 | 2040 |
| SUBTOTAL, FORCE COSTS----- | | 11110 | 7908 | 2967 | 7863 | 31888 |
| RETIREMENT----- | | 1149 | 710 | 165 | 1251 | 3275 |
| EARLY WITHDRAWAL----- | | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, RETIREMENT----- | | 1149 | 710 | 165 | 1251 | 3275 |
| SUBTOTAL, TOTAL COST----- | | 12259 | 8618 | 3132 | 9114 | 35163 |
| TOTAL (OFF+ENL) COSTS: | | | | | | |
| GAIN----- | | 1289 | 2406 | 930 | 1575 | 6200 |
| MAINTENANCE----- | | 12000 | 8536 | 2953 | 9937 | 33426 |
| S & I----- | | 502 | 555 | 41 | 267 | 1365 |
| LOSS (NON-RETI)----- | | 244 | 169 | 72 | 167 | 652 |
| **FIXED GAIN COST----- | | 0 | 0 | 0 | 0 | 2040 |
| SUBTOTAL, FORCE COSTS----- | | 14035 | 11666 | 3996 | 11946 | 43683 |
| RETIREMENT----- | | 1697 | 1136 | 284 | 2093 | 5210 |
| EARLY WITHDRAWAL----- | | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, RETIREMENT----- | | 1697 | 1136 | 284 | 2093 | 5210 |
| SUBTOTAL, TOTAL COST----- | | 15732 | 12802 | 4280 | 14039 | 48893 |

NOTE: ON ALL ACOL RUNS, THE SERVICE TOTALS
 DO NOT INCLUDE FIXED GAIN COSTS; THE
 AMOUNT FOR FIXED GAIN COSTS, IF ANY,
 INCLUDES OFFICER COSTS AS WELL.

REFERENCE NUMBER: 40

RETM OPTION: COLA 62/75% + 3% PEN

EARLY W/D OPTION: NONE

SOURCE: ACOL A

COSTS IN \$ MILLIONS

| SERVICE: | ARMY | NAVY | MARINE CORPS | AIR FORCE | DOD |
|-------------------------------|-------|-------|--------------|-----------|-------|
| OFFICER COSTS: | | | | | |
| GAIN----- | 289 | 1737 | 491 | 899 | 3416 |
| MAINTENANCE----- | 2523 | 1821 | 505 | 3012 | 7861 |
| S & I----- | 90 | 166 | 11 | 184 | 451 |
| LOSS (NON-RETM)----- | 44 | 34 | 10 | 47 | 135 |
| **FIXED GAIN COST----- | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, FORCE COSTS----- | 2946 | 3758 | 1017 | 4142 | 11863 |
| RETIREMENT----- | 939 | 717 | 200 | 1402 | 3258 |
| EARLY WITHDRAWAL----- | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, RETIREMENT----- | 939 | 717 | 200 | 1402 | 3258 |
| SUBTOTAL, TOTAL COST----- | 3885 | 4475 | 1217 | 5544 | 15121 |
| ENLISTED COSTS: | | | | | |
| GAIN----- | 960 | 548 | 405 | 585 | 2498 |
| MAINTENANCE----- | 9667 | 6828 | 2480 | 7141 | 26116 |
| S & I----- | 382 | 452 | 37 | 122 | 993 |
| LOSS (NON-RETM)----- | 192 | 132 | 61 | 111 | 496 |
| **FIXED GAIN COST----- | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, FORCE COSTS----- | 11201 | 7960 | 2983 | 7959 | 32143 |
| RETIREMENT----- | 1757 | 1106 | 263 | 1885 | 5011 |
| EARLY WITHDRAWAL----- | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, RETIREMENT----- | 1757 | 1106 | 263 | 1885 | 5011 |
| SUBTOTAL, TOTAL COST----- | 12958 | 9066 | 3246 | 9844 | 37154 |
| TOTAL (OFF+ENL) COSTS: | | | | | |
| GAIN----- | 1249 | 2285 | 896 | 1484 | 5914 |
| MAINTENANCE----- | 12190 | 8649 | 2985 | 10153 | 33977 |
| S & I----- | 472 | 618 | 48 | 306 | 1444 |
| LOSS (NON-RETM)----- | 236 | 166 | 71 | 158 | 631 |
| **FIXED GAIN COST----- | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, FORCE COSTS----- | 14147 | 11718 | 4000 | 12101 | 44006 |
| RETIREMENT----- | 2696 | 1823 | 463 | 3287 | 8269 |
| EARLY WITHDRAWAL----- | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, RETIREMENT----- | 2696 | 1823 | 463 | 3287 | 8269 |
| SUBTOTAL, TOTAL COST----- | 16843 | 13541 | 4463 | 15388 | 52275 |

NOTE: ON ALL ACOL RUNS, THE SERVICE TOTALS
DO NOT INCLUDE FIXED GAIN COSTS; THE
AMOUNT FOR FIXED GAIN COSTS, IF ANY,
INCLUDES OFFICER COSTS AS WELL.

REFERENCE NUMBER: 41

RETMT OPTION: COLA 62/75% + 3% PEN
 EARLY W/D OPTION: 200(0)/300(E)--0--0
 SOURCE: ACOL A

COSTS IN \$ MILLIONS

| OFFICER COSTS: | SERVICE: | ARMY | NAVY | MARINE CORPS | AIR FORCE | DOD |
|----------------------------|----------|-------|-------|--------------|-----------|-------|
| GAIN----- | | 262 | 1578 | 457 | 822 | 3119 |
| MAINTENANCE----- | | 2612 | 1877 | 515 | 3087 | 8091 |
| S & I----- | | 91 | 175 | 12 | 188 | 466 |
| LOSS (NON-RETMT)----- | | 40 | 31 | 9 | 43 | 123 |
| **FIXED GAIN COST----- | | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, FORCE COSTS----- | | 3005 | 3661 | 993 | 4140 | 11799 |
| RETIREMENT----- | | 1036 | 767 | 206 | 1465 | 3474 |
| EARLY WITHDRAWAL----- | | 111 | 89 | 22 | 166 | 388 |
| SUBTOTAL, RETIREMENT----- | | 1147 | 856 | 228 | 1631 | 3862 |
| SUBTOTAL, TOTAL COST----- | | 4152 | 4517 | 1221 | 5771 | 15661 |
| ENLISTED COSTS: | | | | | | |
| GAIN----- | | 871 | 501 | 365 | 547 | 2284 |
| MAINTENANCE----- | | 10012 | 7056 | 2611 | 7292 | 26971 |
| S & I----- | | 371 | 4 | 49 | 125 | 1040 |
| LOSS (NON-RETMT)----- | | 174 | 12 | 55 | 104 | 454 |
| **FIXED GAIN COST----- | | 0 | 0 | 0 | 0 | 2040 |
| SUBTOTAL, FORCE COSTS----- | | 11428 | 8173 | 3080 | 8068 | 32789 |
| RETIREMENT----- | | 2345 | 1476 | 425 | 2168 | 6414 |
| EARLY WITHDRAWAL----- | | 562 | 314 | 102 | 538 | 1516 |
| SUBTOTAL, RETIREMENT----- | | 2907 | 1790 | 527 | 2706 | 7930 |
| SUBTOTAL, TOTAL COST----- | | 14335 | 9963 | 3607 | 10774 | 40719 |
| TOTAL (OFF+ENL) COSTS: | | | | | | |
| GAIN----- | | 1133 | 2079 | 822 | 1369 | 5403 |
| MAINTENANCE----- | | 12624 | 8933 | 3126 | 10379 | 35062 |
| S & I----- | | 462 | 670 | 61 | 313 | 1506 |
| LOSS (NON-RETMT)----- | | 214 | 152 | 64 | 147 | 577 |
| **FIXED GAIN COST----- | | 0 | 0 | 0 | 0 | 2040 |
| SUBTOTAL, FORCE COSTS----- | | 14433 | 11834 | 4073 | 12208 | 44588 |
| RETIREMENT----- | | 3381 | 2243 | 631 | 3633 | 9888 |
| EARLY WITHDRAWAL----- | | 673 | 403 | 124 | 704 | 1904 |
| SUBTOTAL, RETIREMENT----- | | 4054 | 2646 | 755 | 4337 | 11792 |
| SUBTOTAL, TOTAL COST----- | | 18487 | 14480 | 4828 | 16545 | 56380 |

NOTE: ON ALL ACOL RUNS, THE SERVICE TOTALS
 DO NOT INCLUDE FIXED GAIN COSTS; THE
 AMOUNT FOR FIXED GAIN COSTS, IF ANY,
 INCLUDES OFFICER COSTS AS WELL.

REFERENCE NUMBER: 42

RETHI OPTION: COLA 62/67% + 3% PEN
 EARLY W/D OPTION: NONE
 SOURCE: ACOL A

COSTS IN \$ MILLIONS

| SERVICE: | ARMY | NAVY | MARINE | AIR | DOD |
|----------------------------|-------|-------|--------|-------|-------|
| OFFICER COSTS: | | | | | |
| GAIN----- | 377 | 2149 | 631 | 1340 | 4497 |
| MAINTENANCE----- | 2641 | 1963 | 546 | 3212 | 8362 |
| S & I----- | 109 | 188 | 17 | 207 | 521 |
| LOSS (NON-RETHI)----- | 44 | 33 | 10 | 46 | 133 |
| **FIXED GAIN COST----- | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, FORCE COSTS----- | 3171 | 4333 | 1204 | 4805 | 13513 |
| RETIREMENT----- | 1138 | 757 | 171 | 1375 | 3441 |
| EARLY WITHDRAWAL----- | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, RETIREMENT----- | 1138 | 757 | 171 | 1375 | 3441 |
| SUBTOTAL, TOTAL COST----- | 4309 | 5090 | 1375 | 6180 | 16954 |
| ENLISTED COSTS: | | | | | |
| GAIN----- | 1627 | 767 | 588 | 788 | 3770 |
| MAINTENANCE----- | 9579 | 6704 | 2203 | 7286 | 25772 |
| S & I----- | 165 | 484 | 121 | 118 | 888 |
| LOSS (NON-RETHI)----- | 193 | 133 | 61 | 111 | 498 |
| **FIXED GAIN COST----- | 0 | 0 | 0 | 0 | 2040 |
| SUBTOTAL, FORCE COSTS----- | 11564 | 8088 | 2973 | 8303 | 32968 |
| RETIREMENT----- | 1819 | 1022 | 298 | 1716 | 4855 |
| EARLY WITHDRAWAL----- | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, RETIREMENT----- | 1819 | 1022 | 298 | 1716 | 4855 |
| SUBTOTAL, TOTAL COST----- | 13383 | 9110 | 3271 | 10019 | 37823 |
| TOTAL (OFF+ENL) COSTS: | | | | | |
| GAIN----- | 2004 | 2916 | 1219 | 2128 | 8267 |
| MAINTENANCE----- | 12220 | 8667 | 2749 | 10498 | 34134 |
| S & I----- | 274 | 672 | 138 | 325 | 1409 |
| LOSS (NON-RETHI)----- | 237 | 166 | 71 | 157 | 631 |
| **FIXED GAIN COST----- | 0 | 0 | 0 | 0 | 2040 |
| SUBTOTAL, FORCE COSTS----- | 14735 | 12421 | 4177 | 13108 | 46481 |
| RETIREMENT----- | 2957 | 1779 | 469 | 3091 | 8296 |
| EARLY WITHDRAWAL----- | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, RETIREMENT----- | 2957 | 1779 | 469 | 3091 | 8296 |
| SUBTOTAL, TOTAL COST----- | 17692 | 14200 | 4646 | 16199 | 54777 |

NOTE: ON ALL ACOL RUNS, THE SERVICE TOTALS
 DO NOT INCLUDE FIXED GAIN COSTS; THE
 AMOUNT FOR FIXED GAIN COSTS, IF ANY,
 INCLUDES OFFICER COSTS AS WELL.

REFERENCE NUMBER: 43

RETM OPTION: HIGH 3
EARLY W/D OPTION: NONE
SOURCE: ACOL B

COSTS IN \$ MILLIONS

| SERVICE: | ARMY | NAVY | MARINE CORPS | AIR FORCE | DOD |
|-------------------------------|-------|-------|--------------|-----------|-------|
| OFFICER COSTS: | | | | | |
| GAIN----- | 265 | 1604 | 467 | 838 | 3175 |
| MAINTENANCE----- | 2594 | 1850 | 511 | 3063 | 8028 |
| S & I----- | 120 | 112 | 5 | 149 | 386 |
| LOSS (NON-RETM)----- | 40 | 31 | 10 | 44 | 125 |
| **FIXED GAIN COST----- | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, FORCE COSTS----- | 3020 | 3607 | 993 | 4694 | 11714 |
| RETIREMENT----- | 1487 | 1067 | 294 | 2077 | 4925 |
| EARLY WITHDRAWAL----- | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, RETIREMENT----- | 1487 | 1067 | 294 | 2077 | 4925 |
| SUBTOTAL, TOTAL COST----- | 4507 | 4674 | 1287 | 6171 | 16639 |
| ENLISTED COSTS: | | | | | |
| GAIN----- | 894 | 511 | 374 | 558 | 2337 |
| MAINTENANCE----- | 9916 | 7600 | 2578 | 7250 | 26744 |
| S & I----- | 374 | 486 | 47 | 124 | 1031 |
| LOSS (NON-RETM)----- | 179 | 123 | 55 | 106 | 464 |
| **FIXED GAIN COST----- | 0 | 0 | 0 | 0 | 2040 |
| SUBTOTAL, FORCE COSTS----- | 11363 | 8120 | 3055 | 8038 | 32516 |
| RETIREMENT----- | 3466 | 2099 | 598 | 3310 | 9473 |
| EARLY WITHDRAWAL----- | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, RETIREMENT----- | 3466 | 2099 | 598 | 3310 | 9473 |
| SUBTOTAL, TOTAL COST----- | 14829 | 10219 | 3653 | 11348 | 42089 |
| TOTAL (OFF+ENL) COSTS: | | | | | |
| GAIN----- | 1160 | 2115 | 841 | 1396 | 5512 |
| MAINTENANCE----- | 12510 | 8850 | 3089 | 10313 | 34772 |
| S & I----- | 494 | 598 | 52 | 273 | 1417 |
| LOSS (NON-RETM)----- | 219 | 154 | 66 | 150 | 589 |
| **FIXED GAIN COST----- | 0 | 0 | 0 | 0 | 2040 |
| SUBTOTAL, FORCE COSTS----- | 14383 | 11727 | 4048 | 12132 | 44330 |
| RETIREMENT----- | 4953 | 3166 | 892 | 5387 | 14398 |
| EARLY WITHDRAWAL----- | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, RETIREMENT----- | 4953 | 3166 | 892 | 5387 | 14398 |
| SUBTOTAL, TOTAL COST----- | 19336 | 14893 | 4940 | 17519 | 58728 |

NOTE: ON ALL ACOL RUNS, THE SERVICE TOTALS
DO NOT INCLUDE FIXED GAIN COSTS; THE
AMOUNT FOR FIXED GAIN COSTS, IF ANY,
INCLUDES OFFICER COSTS AS WELL.

REFERENCE NUMBER: 44

RETI OPTION: DEC 30% (1.75 MULT)
 EARLY W/D OPTION: NONE
 SOURCE: ACOL B

COSTS IN \$ MILLIONS

| SERVICE: | ARMY | NAVY | MARINE CORPS | AIR FORCE | DOD |
|----------------------------|-------|-------|--------------|-----------|-------|
| OFFICER COSTS: | | | | | |
| GAIN----- | 301 | 1810 | 512 | 944 | 3567 |
| MAINTENANCE----- | 2476 | 1778 | 495 | 2942 | 1391 |
| S & I----- | 118 | 108 | 5 | 147 | 378 |
| LOSS (NON-RETI)----- | 46 | 35 | 11 | 50 | 142 |
| **FIXED GAIN COST----- | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, FORCE COSTS----- | 2941 | 3731 | 1023 | 4083 | 11778 |
| RETIREMENT----- | 863 | 658 | 186 | 1312 | 3019 |
| EARLY WITHDRAWAL----- | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, RETIREMENT----- | 863 | 658 | 186 | 1312 | 3019 |
| SUBTOTAL, TOTAL COST----- | 3804 | 4389 | 1209 | 5395 | 14797 |
| ENLISTED COSTS: | | | | | |
| GAIN----- | 967 | 546 | 403 | 600 | 2516 |
| MAINTENANCE----- | 9605 | 6811 | 2480 | 7050 | 25946 |
| S & I----- | 384 | 455 | 38 | 121 | 998 |
| LOSS (NON-RETI)----- | 194 | 132 | 60 | 114 | 500 |
| **FIXED GAIN COST----- | 0 | 0 | 0 | 0 | 2040 |
| SUBTOTAL, FORCE COSTS----- | 11150 | 7944 | 2981 | 7885 | 32000 |
| RETIREMENT----- | 1892 | 1163 | 283 | 1994 | 5332 |
| EARLY WITHDRAWAL----- | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, RETIREMENT----- | 1892 | 1163 | 283 | 1994 | 5332 |
| SUBTOTAL, TOTAL COST----- | 13042 | 9107 | 3264 | 9879 | 37332 |
| TOTAL (OFF+ENL) COSTS: | | | | | |
| GAIN----- | 1268 | 2356 | 915 | 1544 | 6083 |
| MAINTENANCE----- | 12081 | 8589 | 2975 | 9992 | 33637 |
| S & I----- | 502 | 563 | 43 | 268 | 1376 |
| LOSS (NON-RETI)----- | 240 | 167 | 71 | 164 | 642 |
| **FIXED GAIN COST----- | 0 | 0 | 0 | 0 | 2040 |
| SUBTOTAL, FORCE COSTS----- | 14091 | 11675 | 4004 | 11968 | 43778 |
| RETIREMENT----- | 2755 | 1821 | 469 | 3306 | 8351 |
| EARLY WITHDRAWAL----- | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, RETIREMENT----- | 2755 | 1821 | 469 | 3306 | 8351 |
| SUBTOTAL, TOTAL COST----- | 16846 | 13496 | 4473 | 15274 | 52129 |

NOTE: ON ALL ACOL RUNS, THE SERVICE TOTALS
 DO NOT INCLUDE FIXED GAIN COSTS; THE
 AMOUNT FOR FIXED GAIN COSTS, IF ANY,
 INCLUDES OFFICER COSTS AS WELL.

REFERENCE NUMBER: 45

REIMT OPTION: DEC 30% (1.75 MULTI)
 EARLY W/D OPTION: 210--60--100
 SOURCE: ACOL B

COSTS IN \$ MILLIONS

| OFFICER COSTS: | SERVICE: | ARMY | NAVY | MARINE CORPS | AIR FORCE | DOD |
|----------------------------|----------|-------|-------|--------------|-----------|-------|
| GAIN----- | ----- | 258 | 1542 | 448 | 813 | 3061 |
| MAINTENANCE----- | ----- | 2617 | 1882 | 517 | 3081 | 8097 |
| S & I----- | ----- | 121 | 113 | 5 | 150 | 389 |
| LOSS (NON-REIMT)----- | ----- | 39 | 30 | 9 | 43 | 121 |
| **FIXED GAIN COST----- | ----- | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, FORCE COSTS----- | ----- | 3035 | 3567 | 979 | 4087 | 11668 |
| RETIREMENT----- | ----- | 1028 | 764 | 211 | 1481 | 3484 |
| EARLY WITHDRAWAL----- | ----- | 171 | 136 | 32 | 238 | 577 |
| SUBTOTAL, RETIREMENT----- | ----- | 1199 | 900 | 243 | 1719 | 4061 |
| SUBTOTAL, TOTAL COST----- | ----- | 4234 | 4467 | 1222 | 5806 | 15729 |
| ENLISTED COSTS: | ----- | ----- | ----- | ----- | ----- | ----- |
| GAIN----- | ----- | 865 | 504 | 366 | 538 | 2273 |
| MAINTENANCE----- | ----- | 10352 | 7060 | 2606 | 7375 | 27093 |
| S & I----- | ----- | 370 | 491 | 49 | 125 | 1035 |
| LOSS (NON-REIMT)----- | ----- | 173 | 121 | 55 | 103 | 452 |
| **FIXED GAIN COST----- | ----- | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, FORCE COSTS----- | ----- | 11460 | 8176 | 3076 | 8141 | 32893 |
| RETIREMENT----- | ----- | 2582 | 1527 | 441 | 2450 | 7000 |
| EARLY WITHDRAWAL----- | ----- | 455 | 252 | 82 | 448 | 1237 |
| SUBTOTAL, RETIREMENT----- | ----- | 3037 | 1779 | 523 | 2898 | 8237 |
| SUBTOTAL, TOTAL COST----- | ----- | 14497 | 9955 | 3599 | 11039 | 41130 |
| TOTAL (OFF+ENL) COSTS: | ----- | ----- | ----- | ----- | ----- | ----- |
| GAIN----- | ----- | 1123 | 2046 | 814 | 1351 | 5334 |
| MAINTENANCE----- | ----- | 12669 | 8942 | 3123 | 10456 | 35190 |
| S & I----- | ----- | 491 | 604 | 54 | 275 | 1424 |
| LOSS (NON-REIMT)----- | ----- | 212 | 151 | 64 | 146 | 573 |
| **FIXED GAIN COST----- | ----- | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, FORCE COSTS----- | ----- | 14495 | 11743 | 4055 | 12228 | 44561 |
| RETIREMENT----- | ----- | 3610 | 2291 | 652 | 3931 | 10484 |
| EARLY WITHDRAWAL----- | ----- | 626 | 388 | 114 | 686 | 1814 |
| SUBTOTAL, RETIREMENT----- | ----- | 4236 | 2679 | 766 | 4617 | 12298 |
| SUBTOTAL, TOTAL COST----- | ----- | 18731 | 14422 | 4821 | 16845 | 56859 |

NOTE: ON ALL ACOL RUNS, THE SERVICE TOTALS
 DO NOT INCLUDE FIXED GAIN COSTS; THE
 AMOUNT FOR FIXED GAIN COSTS, IF ANY,
 INCLUDES OFFICER COSTS AS WELL.

REFERENCE NUMBER: 46

REIMT OPTION: 3% PER
EARLY W/D OPTION: NONE
SOURCE: ACOL B

COSTS IN \$ MILLIONS

| | SERVICE: | ARMY | NAVY | MARINE CORPS | AIR FORCE | DOD |
|-------------------------------|----------|-------|-------|--------------|-----------|-------|
| OFFICER COSTS: | | | | | | |
| GAIN----- | | 279 | 1664 | 477 | 870 | 3290 |
| MAINTENANCE----- | | 2559 | 1849 | 510 | 3048 | 7966 |
| S & I----- | | 119 | 109 | 5 | 147 | 380 |
| LOSS (NON-REIMT)----- | | 42 | 32 | 10 | 46 | 130 |
| **FIXED GAIN COST----- | | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, FORCE COSTS----- | | 2999 | 3654 | 1002 | 4111 | 11766 |
| RETIREMENT----- | | 1153 | 872 | 243 | 1693 | 3961 |
| EARLY WITHDRAWAL----- | | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, RETIREMENT----- | | 1153 | 872 | 243 | 1693 | 3961 |
| SUBTOTAL, TOTAL COST----- | | 4152 | 4526 | 1245 | 5804 | 15727 |
| ENLISTED COSTS: | | | | | | |
| GAIN----- | | 919 | 531 | 390 | 566 | 2406 |
| MAINTENANCE----- | | 9846 | 6923 | 2527 | 7253 | 26549 |
| S & I----- | | 377 | 466 | 41 | 123 | 1007 |
| LOSS (NON-REIMT)----- | | 184 | 128 | 59 | 108 | 479 |
| **FIXED GAIN COST----- | | 0 | 0 | 0 | 0 | 2040 |
| SUBTOTAL, FORCE COSTS----- | | 11326 | 8048 | 3017 | 8050 | 32481 |
| RETIREMENT----- | | 2430 | 1492 | 380 | 2469 | 6771 |
| EARLY WITHDRAWAL----- | | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, RETIREMENT----- | | 2430 | 1492 | 380 | 2469 | 6771 |
| SUBTOTAL, TOTAL COST----- | | 13756 | 9540 | 3397 | 10519 | 39252 |
| TOTAL (OFF+ENL) COSTS: | | | | | | |
| GAIN----- | | 1198 | 2195 | 867 | 1436 | 5696 |
| MAINTENANCE----- | | 12405 | 8772 | 3037 | 10301 | 34515 |
| S & I----- | | 496 | 575 | 46 | 270 | 1387 |
| LOSS (NON-REIMT)----- | | 226 | 160 | 69 | 154 | 609 |
| **FIXED GAIN COST----- | | 0 | 0 | 0 | 0 | 2040 |
| SUBTOTAL, FORCE COSTS----- | | 14325 | 11702 | 4019 | 12161 | 44247 |
| RETIREMENT----- | | 3583 | 2364 | 623 | 4162 | 10732 |
| EARLY WITHDRAWAL----- | | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, RETIREMENT----- | | 3583 | 2364 | 623 | 4162 | 10732 |
| SUBTOTAL, TOTAL COST----- | | 17908 | 14066 | 4642 | 16323 | 54979 |

NOTE: ON ALL ACOL RUNS, THE SERVICE TOTALS
DO NOT INCLUDE FIXED GAIN COSTS; THE
AMOUNT FOR FIXED GAIN COSTS, IF ANY,
INCLUDES OFFICER COSTS AS WELL.

REFERENCE NUMBER: 47

RETI OPTION: 3% PEN
 EARLY W/D OPTION: 210--0--0
 SOURCE: ACOL B

COSTS IN \$ MILLIONS

| OFFICER COSTS: | SERVICE: | ARMY | NAVY | MARINE CORPS | AIR FORCE | DOD |
|----------------------------|----------|-------|-------|--------------|-----------|-------|
| GAIN----- | | 254 | 1514 | 443 | 794 | 3005 |
| MAINTENANCE----- | | 2643 | 1902 | 520 | 3122 | 8187 |
| S & I----- | | 121 | 113 | 5 | 149 | 388 |
| LOSS (NON-RETI)----- | | 39 | 30 | 9 | 42 | 120 |
| **FIXED GAIN COST----- | | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, FORCE COSTS----- | | 3057 | 3559 | 977 | 4107 | 11700 |
| RETIREMENT----- | | 1294 | 961 | 262 | 1820 | 4337 |
| EARLY WITHDRAWAL----- | | 122 | 97 | 24 | 179 | 422 |
| SUBTOTAL, RETIREMENT----- | | 1416 | 1058 | 286 | 1999 | 4759 |
| SUBTOTAL, TOTAL COST----- | | 4473 | 4617 | 1263 | 6106 | 16459 |
| ENLISTED COSTS: | | | | | | |
| GAIN----- | | 857 | 500 | 363 | 535 | 2255 |
| MAINTENANCE----- | | 10091 | 7078 | 2620 | 7374 | 27163 |
| S & I----- | | 369 | 494 | 49 | 125 | 1037 |
| LOSS (NON-RETI)----- | | 172 | 120 | 54 | 102 | 448 |
| **FIXED GAIN COST----- | | 0 | 0 | 0 | 0 | 2040 |
| SUBTOTAL, FORCE COSTS----- | | 11489 | 8192 | 3086 | 8136 | 32943 |
| RETIREMENT----- | | 2947 | 1815 | 533 | 2735 | 8030 |
| EARLY WITHDRAWAL----- | | 389 | 213 | 69 | 376 | 1047 |
| SUBTOTAL, RETIREMENT----- | | 3336 | 2028 | 602 | 3111 | 9077 |
| SUBTOTAL, TOTAL COST----- | | 14825 | 10220 | 3688 | 11247 | 42020 |
| TOTAL (OFF+ENL) COSTS: | | | | | | |
| GAIN----- | | 1111 | 2014 | 806 | 1329 | 5260 |
| MAINTENANCE----- | | 12734 | 8980 | 3140 | 10496 | 35350 |
| S & I----- | | 490 | 607 | 54 | 274 | 1425 |
| LOSS (NON-RETI)----- | | 211 | 150 | 63 | 144 | 568 |
| **FIXED GAIN COST----- | | 0 | 0 | 0 | 0 | 2040 |
| SUBTOTAL, FORCE COSTS----- | | 14546 | 11751 | 4063 | 12243 | 44643 |
| RETIREMENT----- | | 4241 | 2776 | 795 | 4555 | 12367 |
| EARLY WITHDRAWAL----- | | 511 | 310 | 93 | 555 | 1469 |
| SUBTOTAL, RETIREMENT----- | | 4752 | 3086 | 888 | 5110 | 13836 |
| SUBTOTAL, TOTAL COST----- | | 19298 | 14837 | 4951 | 17353 | 58479 |

NOTE: ON ALL ACOL RUNS, THE SERVICE TOTALS
 DO NOT INCLUDE FIXED GAIN COSTS; THE
 AMOUNT FOR FIXED GAIN COSTS, IF ANY,
 INCLUDES OFFICER COSTS AS WELL.

REFERENCE NUMBER: 48

RETI OPTION: COLA 62/50%
 EARLY W/D OPTION: NONE
 SOURCE: ACOL B

COSTS IN \$ MILLIONS

| OFFICER COSTS: | SERVICE: | ARMY | NAVY | MARINE CORPS | AIR FORCE | DOD |
|----------------------------|----------|-------|-------|--------------|-----------|-------|
| GAIN----- | | 287 | 1725 | 493 | 901 | 3405 |
| MAINTENANCE----- | | 2526 | 1815 | 502 | 2994 | 7837 |
| S & I----- | | 118 | 110 | 5 | 148 | 381 |
| LOSS (NON-RETI)----- | | 44 | 34 | 10 | 47 | 135 |
| **FIXED GAIN COST----- | | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, FORCE COSTS----- | | 2975 | 3684 | 1010 | 4090 | 11759 |
| RETIREMENT----- | | 963 | 730 | 201 | 1424 | 3318 |
| EARLY WITHDRAWAL----- | | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, RETIREMENT----- | | 963 | 730 | 201 | 1424 | 3318 |
| SUBTOTAL, TOTAL COST----- | | 3938 | 4414 | 1211 | 5514 | 15077 |
| ENLISTED COSTS: | | | | | | |
| GAIN----- | | 945 | 536 | 395 | 586 | 2462 |
| MAINTENANCE----- | | 9700 | 6869 | 2508 | 7116 | 26193 |
| S & I----- | | 381 | 464 | 41 | 122 | 1008 |
| LOSS (NON-RETI)----- | | 189 | 129 | 59 | 112 | 489 |
| **FIXED GAIN COST----- | | 0 | 0 | 0 | 0 | 2040 |
| SUBTOTAL, FORCE COSTS----- | | 11215 | 7998 | 3003 | 7936 | 32192 |
| RETIREMENT----- | | 2042 | 1249 | 321 | 2090 | 5702 |
| EARLY WITHDRAWAL----- | | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, RETIREMENT----- | | 2042 | 1249 | 321 | 2090 | 5702 |
| SUBTOTAL, TOTAL COST----- | | 13257 | 9247 | 3324 | 10026 | 37894 |
| TOTAL (OFF+ENL) COSTS: | | | | | | |
| GAIN----- | | 1232 | 2261 | 888 | 1487 | 5868 |
| MAINTENANCE----- | | 12226 | 8684 | 3010 | 10110 | 34030 |
| S & I----- | | 499 | 574 | 46 | 270 | 1389 |
| LOSS (NON-RETI)----- | | 233 | 163 | 69 | 159 | 624 |
| **FIXED GAIN COST----- | | 0 | 0 | 0 | 0 | 2040 |
| SUBTOTAL, FORCE COSTS----- | | 14190 | 11682 | 4013 | 12026 | 43951 |
| RETIREMENT----- | | 3005 | 1979 | 522 | 3514 | 9020 |
| EARLY WITHDRAWAL----- | | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, RETIREMENT----- | | 3005 | 1979 | 522 | 3514 | 9020 |
| SUBTOTAL, TOTAL COST----- | | 17195 | 13661 | 4535 | 15540 | 52971 |

NOTE: ON ALL ACOL RUNS, THE SERVICE TOTALS
 DO NOT INCLUDE FIXED GAIN COSTS; THE
 AMOUNT FOR FIXED GAIN COSTS, IF ANY,
 INCLUDES OFFICER COSTS AS WELL.

REFERENCE NUMBER: 49

REMT OPTION: COLA 62/50%
 EARLY W/D OPTION: 160-40-50
 SOURCE: ACOL B

COSTS IN \$ MILLIONS

| | ARMY | NAVY | MARINE | AIR | DOD |
|-------------------------------|-------|-------|--------|-------|-------|
| OFFICER COSTS: | | | | | |
| GAIN----- | 259 | 1550 | 451 | 813 | 3073 |
| MAINTENANCE----- | 2621 | 1881 | 516 | 3089 | 8107 |
| S & I----- | 120 | 113 | 5 | 150 | 388 |
| LOSS (NON-REMT)----- | 39 | 30 | 9 | 43 | 121 |
| **FIXED GAIN COST----- | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, FORCE COSTS----- | 3039 | 3574 | 981 | 4095 | 11689 |
| RETIREMENT----- | 1093 | 814 | 221 | 1560 | 3688 |
| EARLY WITHDRAWAL----- | 120 | 95 | 23 | 170 | 408 |
| SUBTOTAL, RETIREMENT----- | 1213 | 909 | 244 | 1730 | 4096 |
| SUBTOTAL, TOTAL COST----- | 4252 | 4483 | 1225 | 5825 | 15785 |
| ENLISTED COSTS: | | | | | |
| GAIN----- | 875 | 506 | 368 | 545 | 2294 |
| MAINTENANCE----- | 10001 | 7037 | 2600 | 7325 | 26963 |
| S & I----- | 372 | 490 | 48 | 125 | 1035 |
| LOSS (NON-REMT)----- | 175 | 122 | 55 | 104 | 456 |
| **FIXED GAIN COST----- | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, FORCE COSTS----- | 11423 | 8155 | 3071 | 8099 | 32788 |
| RETIREMENT----- | 2546 | 1517 | 442 | 2423 | 6928 |
| EARLY WITHDRAWAL----- | 325 | 181 | 59 | 317 | 882 |
| SUBTOTAL, RETIREMENT----- | 2871 | 1698 | 501 | 2740 | 7810 |
| SUBTOTAL, TOTAL COST----- | 14294 | 9853 | 3572 | 10839 | 40598 |
| TOTAL (OFF+EML) COSTS: | | | | | |
| GAIN----- | 1134 | 2056 | 819 | 1358 | 5367 |
| MAINTENANCE----- | 12622 | 8918 | 3116 | 10414 | 35070 |
| S & I----- | 492 | 603 | 53 | 275 | 1423 |
| LOSS (NON-REMT)----- | 214 | 152 | 64 | 147 | 577 |
| **FIXED GAIN COST----- | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, FORCE COSTS----- | 14462 | 11729 | 4052 | 12194 | 44477 |
| RETIREMENT----- | 3639 | 2331 | 663 | 3983 | 10616 |
| EARLY WITHDRAWAL----- | 445 | 276 | 82 | 487 | 1290 |
| SUBTOTAL, RETIREMENT----- | 4084 | 2607 | 745 | 4470 | 11906 |
| SUBTOTAL, TOTAL COST----- | 18546 | 14336 | 4797 | 16664 | 56383 |

NOTE: ON ALL ACOL RUNS, THE SERVICE TOTALS
 DO NOT INCLUDE FIXED GAIN COSTS; THE
 AMOUNT FOR FIXED GAIN COSTS, IF ANY,
 INCLUDES OFFICER COSTS AS WELL.

REFERENCE NUMBER: 50

RETMT OPTION: COLA 62/75% + 3% PEN

EARLY W/D OPTION: NONE

SOURCE: ACOL B

COSTS IN \$ MILLIONS

| SERVICE: | ARMY | NAVY | MARINE CORPS | AIR FORCE | DOD |
|-------------------------------|-------|-------|--------------|-----------|-------|
| OFFICER COSTS: | | | | | |
| GAIN----- | 288 | 1713 | 488 | 896 | 3385 |
| MAINTENANCE----- | 2524 | 1827 | 506 | 3013 | 7870 |
| S & I----- | 118 | 109 | 5 | 147 | 379 |
| LOSS (NON-RETM)----- | 44 | 33 | 10 | 47 | 134 |
| **FIXED GAIN COST----- | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, FORCE COSTS----- | 2974 | 3682 | 1009 | 4103 | 11768 |
| RETIREMENT----- | 943 | 729 | 201 | 1410 | 3283 |
| EARLY WITHDRAWAL----- | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, RETIREMENT----- | 943 | 729 | 201 | 1410 | 3283 |
| SUBTOTAL, TOTAL COST----- | 3917 | 4411 | 1210 | 5513 | 15051 |
| ENLISTED COSTS: | | | | | |
| GAIN----- | 940 | 541 | 398 | 578 | 2457 |
| MAINTENANCE----- | 9745 | 6860 | 2497 | 7185 | 26287 |
| S & I----- | 380 | 458 | 39 | 122 | 999 |
| LOSS (NON-RETM)----- | 188 | 130 | 60 | 110 | 488 |
| **FIXED GAIN COST----- | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, FORCE COSTS----- | 11253 | 7989 | 2994 | 7995 | 32271 |
| RETIREMENT----- | 1867 | 1146 | 278 | 1960 | 5251 |
| EARLY WITHDRAWAL----- | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, RETIREMENT----- | 1867 | 1146 | 278 | 1960 | 5251 |
| SUBTOTAL, TOTAL COST----- | 13120 | 9135 | 3272 | 9955 | 37522 |
| TOTAL (OFFICER) COSTS: | | | | | |
| GAIN----- | 1228 | 2254 | 886 | 1474 | 5842 |
| MAINTENANCE----- | 12269 | 8687 | 3003 | 10198 | 34157 |
| S & I----- | 498 | 567 | 44 | 269 | 1378 |
| LOSS (NON-RETM)----- | 232 | 163 | 70 | 157 | 622 |
| **FIXED GAIN COST----- | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, FORCE COSTS----- | 14227 | 11671 | 4003 | 12098 | 44039 |
| RETIREMENT----- | 2810 | 1875 | 479 | 3370 | 8534 |
| EARLY WITHDRAWAL----- | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, RETIREMENT----- | 2810 | 1875 | 479 | 3370 | 8534 |
| SUBTOTAL, TOTAL COST----- | 17037 | 13546 | 4482 | 15468 | 52573 |

NOTE: ON ALL ACOL RUNS, THE SERVICE TOTALS
DO NOT INCLUDE FIXED GAIN COSTS; THE
AMOUNT FOR FIXED GAIN COSTS, IF ANY,
INCLUDES OFFICER COSTS AS WELL.

REFERENCE NUMBER: 51

RETM: OPTION: COLA 62/75% + 3% PEM
 EARLY W/D OPTION: 200(O)/300(E)--0--0
 SOURCE: ACOL B

COSTS IN \$ MILLIONS

| SERVICE: | ARMY | NAVY | CORPS | AIR FORCE | DOD |
|-------------------------------|-------|-------|-------|-----------|-------|
| OFFICER COSTS: | | | | | |
| GAIN----- | 262 | 1562 | 455 | 820 | 3099 |
| MAINTENANCE----- | 2612 | 1880 | 515 | 3087 | 8094 |
| S & I----- | 120 | 112 | 5 | 149 | 386 |
| LOSS (NON-RETM)----- | 40 | 30 | 9 | 43 | 122 |
| **FIXED GAIN COST----- | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, FORCE COSTS----- | 3034 | 3584 | 984 | 4099 | 11701 |
| RETIREMENT----- | 1075 | 803 | 218 | 1518 | 3614 |
| EARLY WITHDRAWAL----- | 112 | 90 | 22 | 166 | 390 |
| SUBTOTAL, RETIREMENT----- | 1187 | 893 | 240 | 1684 | 4004 |
| SUBTOTAL, TOTAL COST----- | 4221 | 4477 | 1224 | 5783 | 15705 |
| ENLISTED COSTS: | | | | | |
| GAIN----- | 852 | 498 | 360 | 534 | 2244 |
| MAINTENANCE----- | 10087 | 7074 | 2623 | 7353 | 27137 |
| S & I----- | 369 | 497 | 51 | 126 | 1043 |
| LOSS (NON-RETM)----- | 170 | 120 | 54 | 102 | 446 |
| **FIXED GAIN COST----- | 0 | 0 | 0 | 0 | 2040 |
| SUBTOTAL, FORCE COSTS----- | 11478 | 8189 | 3088 | 8115 | 32910 |
| RETIREMENT----- | 2478 | 1526 | 452 | 2273 | 6729 |
| EARLY WITHDRAWAL----- | 575 | 316 | 104 | 548 | 1543 |
| SUBTOTAL, RETIREMENT----- | 3053 | 1842 | 556 | 2821 | 8272 |
| SUBTOTAL, TOTAL COST----- | 14531 | 10031 | 3644 | 10936 | 41182 |
| TOTAL (OFF+ENL) COSTS: | | | | | |
| GAIN----- | 1114 | 2060 | 815 | 1354 | 5343 |
| MAINTENANCE----- | 12699 | 8954 | 3138 | 10440 | 35231 |
| S & I----- | 489 | 609 | 56 | 275 | 1429 |
| LOSS (NON-RETM)----- | 210 | 150 | 63 | 145 | 568 |
| **FIXED GAIN COST----- | 0 | 0 | 0 | 0 | 2040 |
| SUBTOTAL, FORCE COSTS----- | 14512 | 11773 | 4072 | 12214 | 44611 |
| RETIREMENT----- | 3553 | 2329 | 670 | 3791 | 10343 |
| EARLY WITHDRAWAL----- | 687 | 406 | 126 | 714 | 1933 |
| SUBTOTAL, RETIREMENT----- | 4240 | 2735 | 796 | 4505 | 12276 |
| SUBTOTAL, TOTAL COST----- | 18752 | 14508 | 4868 | 16719 | 56887 |

NOTE: ON ALL ACOL RUNS, THE SERVICE TOTALS
 DO NOT INCLUDE FIXED GAIN COSTS; THE
 AMOUNT FOR FIXED GAIN COSTS, IF ANY,
 INCLUDES OFFICER COSTS AS WELL.

REFERENCE NUMBER: 52

REMIT OPTION: DEC 30% (1.75 MULT)

EARLY W/D OPTION: NONE

SOURCE: DMSH(ACOL B)

COSTS IN \$ MILLIONS

| OFFICER COSTS: | SERVICE: | ARMY | NAVY | MARINE CORPS | AIR FORCE | DOD |
|----------------------------|----------|-------|-------|--------------|-----------|-------|
| GAIN----- | | 386 | 2205 | 649 | 1377 | 4617 |
| MAINTENANCE----- | | 2608 | 1924 | 529 | 3129 | 8190 |
| S & I----- | | 109 | 188 | 17 | 207 | 521 |
| LOSS (NON-RETRT)----- | | 50 | 55 | 12 | 47 | 164 |
| **FIXED GAIN COST----- | | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, FORCE COSTS----- | | 3153 | 4372 | 1207 | 4760 | 13492 |
| RETIREMENT----- | | 1208 | 793 | 208 | 1310 | 3519 |
| EARLY WITHDRAWAL----- | | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, RETIREMENT----- | | 1208 | 793 | 208 | 1310 | 3519 |
| SUBTOTAL, TOTAL COST----- | | 4361 | 5165 | 1415 | 6070 | 17011 |
| ENLISTED COSTS: | | | | | | |
| GAIN----- | | 1631 | 764 | 584 | 801 | 3780 |
| MAINTENANCE----- | | 9509 | 6715 | 2209 | 7197 | 25630 |
| S & I----- | | 165 | 484 | 121 | 118 | 888 |
| LOSS (NON-RETRT)----- | | 194 | 132 | 61 | 113 | 500 |
| **FIXED GAIN COST----- | | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, FORCE COSTS----- | | 11499 | 8095 | 2975 | 8229 | 30798 |
| RETIREMENT----- | | 2114 | 1280 | 381 | 1922 | 5697 |
| EARLY WITHDRAWAL----- | | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, RETIREMENT----- | | 2114 | 1280 | 381 | 1922 | 5697 |
| SUBTOTAL, TOTAL COST----- | | 13613 | 9375 | 3356 | 10151 | 36495 |
| TOTAL (OFF+ENL) COSTS: | | | | | | |
| GAIN----- | | 2017 | 2969 | 1233 | 2178 | 8397 |
| MAINTENANCE----- | | 12117 | 8639 | 2738 | 10326 | 33820 |
| S & I----- | | 274 | 672 | 138 | 325 | 1409 |
| LOSS (NON-RETRT)----- | | 244 | 187 | 73 | 160 | 664 |
| **FIXED GAIN COST----- | | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, FORCE COSTS----- | | 14652 | 12467 | 4182 | 12989 | 44290 |
| RETIREMENT----- | | 3322 | 2073 | 589 | 3232 | 9216 |
| EARLY WITHDRAWAL----- | | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, RETIREMENT----- | | 3322 | 2073 | 589 | 3232 | 9216 |
| SUBTOTAL, TOTAL COST----- | | 17974 | 14540 | 4771 | 16221 | 53506 |

NOTE: ON ALL ACOL RUNS, THE SERVICE TOTALS
DO NOT INCLUDE FIXED GAIN COSTS; THE
AMOUNT FOR FIXED GAIN COSTS, IF ANY,
INCLUDES OFFICER COSTS AS WELL.

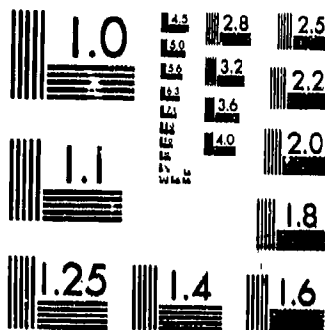
REFERENCE NUMBER: 53

RETIPT OPTION: DEC 30% (1.75 MULT)
 EARLY W/D OPTION: 210-60-100
 SOURCE: DMSM(ACOL B)

COSTS IN \$ MILLIONS

| SERVICE: | ARMY | NAVY | MARINE | AIR | DOD |
|----------------------------|-------|-------|--------|-------|-------|
| OFFICER COSTS: | | | | | |
| GAIN----- | 344 | 1939 | 583 | 1245 | 4111 |
| MAINTENANCE----- | 2766 | 2029 | 547 | 3257 | 8599 |
| S & I----- | 109 | 188 | 17 | 207 | 521 |
| LOSS (NON-RETIPT)----- | 45 | 48 | 11 | 42 | 146 |
| **FIXED GAIN COST----- | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, FORCE COSTS----- | 3264 | 4204 | 1158 | 4751 | 13377 |
| RETIPT----- | 1367 | 863 | 222 | 1398 | 3850 |
| EARLY WITHDRAWAL----- | 177 | 138 | 33 | 238 | 586 |
| SUBTOTAL, RETIREMENT----- | 1544 | 1001 | 255 | 1636 | 4436 |
| SUBTOTAL, TOTAL COST----- | 4808 | 5205 | 1413 | 6387 | 17813 |
| ENLISTED COSTS: | | | | | |
| GAIN----- | 1509 | 721 | 547 | 739 | 3516 |
| MAINTENANCE----- | 9953 | 7033 | 2339 | 7488 | 26783 |
| S & I----- | 165 | 484 | 121 | 118 | 888 |
| LOSS (NON-RETIPT)----- | 177 | 124 | 57 | 104 | 462 |
| **FIXED GAIN COST----- | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, FORCE COSTS----- | 11804 | 8332 | 3064 | 8449 | 31649 |
| RETIPT----- | 2626 | 1591 | 492 | 2239 | 6948 |
| EARLY WITHDRAWAL----- | 451 | 264 | 84 | 456 | 1255 |
| SUBTOTAL, RETIREMENT----- | 3077 | 1855 | 576 | 2695 | 8203 |
| SUBTOTAL, TOTAL COST----- | 14881 | 10187 | 3640 | 11144 | 39852 |
| TOTAL (OFF+ENL) COSTS: | | | | | |
| GAIN----- | 1853 | 2660 | 1130 | 1984 | 7627 |
| MAINTENANCE----- | 12719 | 9032 | 2886 | 10745 | 35382 |
| S & I----- | 274 | 672 | 138 | 325 | 1409 |
| LOSS (NON-RETIPT)----- | 222 | 172 | 68 | 146 | 608 |
| **FIXED GAIN COST----- | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, FORCE COSTS----- | 15068 | 12536 | 4222 | 13200 | 45026 |
| RETIPT----- | 3993 | 2454 | 714 | 3637 | 10798 |
| EARLY WITHDRAWAL----- | 628 | 402 | 117 | 694 | 1841 |
| SUBTOTAL, RETIREMENT----- | 4621 | 2856 | 831 | 4331 | 12639 |
| SUBTOTAL, TOTAL COST----- | 19689 | 15392 | 5053 | 17531 | 57665 |

NOTE: ON ALL ACOL RUNS, THE SERVICE TOTALS
 DO NOT INCLUDE FIXED GAIN COSTS; THE
 AMOUNT FOR FIXED GAIN COSTS, IF ANY,
 INCLUDES OFFICER COSTS AS WELL.



MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

REFERENCE NUMBER: 54

REIMT OPTION: 3% PEN

EARLY W/D OPTION: NONE

SOURCE: DMSH(ACOL B)

COSTS IN \$ MILLIONS

| OFFICER COSTS: | SERVICE: | ARMY | NAVY | MARINE CORPS | AIR FORCE | DOD |
|----------------------------|----------|-------|-------|--------------|-----------|-------|
| GAIN----- | | 365 | 2061 | 613 | 1302 | 4341 |
| MAINTENANCE----- | | 2689 | 1991 | 539 | 3215 | 8434 |
| S & I----- | | 109 | 188 | 17 | 207 | 521 |
| LOSS (NON-REIMT)----- | | 48 | 52 | 12 | 47 | 159 |
| **FIXED GAIN COST----- | | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, FORCE COSTS----- | | 3211 | 4292 | 1181 | 4771 | 13455 |
| RETIREMENT----- | | 1357 | 912 | 236 | 1598 | 4103 |
| EARLY WITHDRAWAL----- | | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, RETIREMENT----- | | 1357 | 912 | 236 | 1598 | 4103 |
| SUBTOTAL, TOTAL COST----- | | 4568 | 5204 | 1417 | 6369 | 17558 |
| ENLISTED COSTS: | | | | | | |
| GAIN----- | | 1573 | 748 | 571 | 767 | 3659 |
| MAINTENANCE----- | | 9745 | 6824 | 2262 | 7394 | 26225 |
| S & I----- | | 164 | 484 | 121 | 118 | 887 |
| LOSS (NON-REIMT)----- | | 186 | 130 | 59 | 107 | 482 |
| **FIXED GAIN COST----- | | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, FORCE COSTS----- | | 11668 | 8186 | 3013 | 8386 | 31253 |
| RETIREMENT----- | | 2467 | 1418 | 445 | 2261 | 6591 |
| EARLY WITHDRAWAL----- | | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, RETIREMENT----- | | 2467 | 1418 | 445 | 2261 | 6591 |
| SUBTOTAL, TOTAL COST----- | | 14135 | 9604 | 3458 | 10647 | 37844 |
| TOTAL (OFF+ENL) COSTS: | | | | | | |
| GAIN----- | | 1938 | 2809 | 1184 | 2069 | 9000 |
| MAINTENANCE----- | | 12434 | 8815 | 2701 | 10609 | 34659 |
| S & I----- | | 273 | 672 | 38 | 325 | 1408 |
| LOSS (NON-REIMT)----- | | 234 | 182 | 71 | 154 | 641 |
| **FIXED GAIN COST----- | | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, FORCE COSTS----- | | 14879 | 12478 | 4194 | 13157 | 44708 |
| RETIREMENT----- | | 3824 | 2330 | 681 | 3859 | 10694 |
| EARLY WITHDRAWAL----- | | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, RETIREMENT----- | | 3824 | 2330 | 681 | 3859 | 10694 |
| SUBTOTAL, TOTAL COST----- | | 18703 | 14808 | 4875 | 17016 | 55402 |

NOTE: ON ALL ACOL RUNS, THE SERVICE TOTALS
DO NOT INCLUDE FIXED GAIN COSTS; THE
AMOUNT FOR FIXED GAIN COSTS, IF ANY,
INCLUDES OFFICER COSTS AS WELL.

REFERENCE NUMBER: 55

RETI OPTION: 3% PEN

EARLY W/D OPTION: 210--0--0

SOURCE: DASM(ACOL B)

COSTS IN \$ MILLIONS

| OFFICER COSTS: | SERVICE: | ARMY | NAVY | MARINE CORPS | AIR FORCE | DOD |
|----------------------------|----------|-------|-------|--------------|-----------|-------|
| GAIN----- | | 340 | 1911 | 578 | 1226 | 4055 |
| MAINTENANCE----- | | 2788 | 2045 | 548 | 3291 | 8672 |
| S & I----- | | 109 | 188 | 17 | 207 | 521 |
| LOSS (NON-RETI)----- | | 44 | 47 | 11 | 45 | 146 |
| **FIXED GAIN COST----- | | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, FORCE COSTS----- | | 3281 | 4191 | 1154 | 4768 | 13394 |
| RETIREMENT----- | | 1515 | 976 | 248 | 1698 | 4437 |
| EARLY WITHDRAWAL----- | | 126 | 99 | 25 | 189 | 439 |
| SUBTOTAL, RETIREMENT----- | | 1641 | 1075 | 273 | 1887 | 4876 |
| SUBTOTAL, TOTAL COST----- | | 4922 | 5266 | 1427 | 6655 | 18270 |
| ENLISTED COSTS: | | | | | | |
| GAIN----- | | 1499 | 718 | 544 | 736 | 3497 |
| MAINTENANCE----- | | 10000 | 6595 | 2353 | 7502 | 26850 |
| S & I----- | | 165 | 484 | 121 | 118 | 888 |
| LOSS (NON-RETI)----- | | 176 | 123 | 57 | 103 | 459 |
| **FIXED GAIN COST----- | | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, FORCE COSTS----- | | 11840 | 8320 | 3075 | 8459 | 31694 |
| RETIREMENT----- | | 2873 | 1673 | 552 | 2456 | 7554 |
| EARLY WITHDRAWAL----- | | 390 | 216 | 70 | 381 | 1057 |
| SUBTOTAL, RETIREMENT----- | | 3263 | 1889 | 622 | 2837 | 8611 |
| SUBTOTAL, TOTAL COST----- | | 15103 | 10209 | 3697 | 11296 | 40305 |
| TOTAL (OFF+ENL) COSTS: | | | | | | |
| GAIN----- | | 1839 | 2629 | 1122 | 1962 | 7552 |
| MAINTENANCE----- | | 12788 | 9040 | 2901 | 10793 | 35522 |
| S & I----- | | 274 | 672 | 138 | 325 | 1409 |
| LOSS (NON-RETI)----- | | 220 | 170 | 68 | 147 | 605 |
| **FIXED GAIN COST----- | | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, FORCE COSTS----- | | 15121 | 12511 | 4229 | 13227 | 45088 |
| RETIREMENT----- | | 4388 | 2649 | 800 | 4154 | 11991 |
| EARLY WITHDRAWAL----- | | 516 | 315 | 95 | 570 | 1496 |
| SUBTOTAL, RETIREMENT----- | | 4904 | 2964 | 895 | 4724 | 13487 |
| SUBTOTAL, TOTAL COST----- | | 20025 | 15475 | 5124 | 17951 | 58575 |

NOTE: ON ALL ACOL RUNS, THE SERVICE TOTALS
DO NOT INCLUDE FIXED GAIN COSTS; THE
AMOUNT FOR FIXED GAIN COSTS, IF ANY,
INCLUDES OFFICER COSTS AS WELL.

REFERENCE NUMBER: 56

RETMT OPTION: COLA 62/50%
 EARLY W/D OPTION: NONE
 SOURCE: DMSM(ACOL B)

COSTS IN \$ MILLIONS

| SERVICE: | ARMY | NAVY | CORPS | AIR FORCE | DOD |
|----------------------------|------|------|-------|-----------|-------|
| OFFICER COSTS: | | | | | |
| GAIN----- | 373 | 2121 | 629 | 1333 | 4456 |
| MAINTENANCE----- | 2656 | 1960 | 533 | 3170 | 8319 |
| S & I----- | 109 | 188 | 17 | 207 | 521 |
| LOSS (NON-RETMT)----- | 48 | 52 | 12 | 45 | 157 |
| **FIXED GAIN COST----- | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, FORCE COSTS----- | 3186 | 4321 | 1191 | 4755 | 13453 |
| RETIREMENT----- | 1284 | 851 | 218 | 1368 | 3731 |
| EARLY WITHDRAWAL----- | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, RETIREMENT----- | 1284 | 851 | 218 | 1368 | 3731 |
| SUBTOTAL, TOTAL COST----- | 4470 | 5182 | 1409 | 6123 | 17184 |

| | | | | | |
|----------------------------|-------|------|------|-------|-------|
| ENLISTED COSTS: | | | | | |
| GAIN----- | 1604 | 753 | 575 | 787 | 3719 |
| MAINTENANCE----- | 9603 | 6779 | 2233 | 7266 | 25881 |
| S & I----- | 165 | 484 | 121 | 118 | 888 |
| LOSS (NON-RETMT)----- | 190 | 130 | 60 | 111 | 491 |
| **FIXED GAIN COST----- | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, FORCE COSTS----- | 11562 | 8146 | 2989 | 8282 | 30979 |
| RETIREMENT----- | 2087 | 1292 | 341 | 1991 | 5711 |
| EARLY WITHDRAWAL----- | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, RETIREMENT----- | 2087 | 1292 | 341 | 1991 | 5711 |
| SUBTOTAL, TOTAL COST----- | 13649 | 9438 | 3330 | 10273 | 36690 |

| | | | | | |
|----------------------------|-------|-------|------|-------|-------|
| TOTAL (OFF+ENL) COSTS: | | | | | |
| GAIN----- | 1977 | 2874 | 1204 | 2120 | 8175 |
| MAINTENANCE----- | 12259 | 8739 | 2765 | 10436 | 34200 |
| S & I----- | 274 | 672 | 138 | 325 | 1409 |
| LOSS (NON-RETMT)----- | 238 | 182 | 72 | 156 | 648 |
| **FIXED GAIN COST----- | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, FORCE COSTS----- | 14748 | 12467 | 4180 | 13037 | 44432 |
| RETIREMENT----- | 3371 | 2153 | 559 | 3359 | 9442 |
| EARLY WITHDRAWAL----- | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, RETIREMENT----- | 3371 | 2153 | 559 | 3359 | 9442 |
| SUBTOTAL, TOTAL COST----- | 18119 | 14620 | 4739 | 16396 | 53874 |

NOTE: ON ALL ACOL RUNS, THE SERVICE TOTALS
 DO NOT INCLUDE FIXED GAIN COSTS; THE
 AMOUNT FOR FIXED GAIN COSTS, IF ANY,
 INCLUDES OFFICER COSTS AS WELL.

REFERENCE NUMBER: 57

REIMT OPTION: COLA 62/50%
 EARLY W/D OPTION: 160--40--50
 SOURCE: DMSH(ACOL B)

COSTS IN \$ MILLIONS

| OFFICER COSTS: | SERVICE: | ARMY | NAVY | MARINE CORPS | AIR FORCE | DOD |
|----------------------------|----------|-------|-------|--------------|-----------|-------|
| GAIN----- | | 345 | 1947 | 586 | 1245 | 4123 |
| MAINTENANCE----- | | 2766 | 2026 | 546 | 3255 | 8593 |
| S & I----- | | 109 | 188 | 17 | 207 | 521 |
| LOSS (NON-REIMT)----- | | 45 | 48 | 11 | 42 | 146 |
| **FIXED GAIN COST----- | | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, FORCE COSTS----- | | 3265 | 4209 | 1160 | 4749 | 13383 |
| RETIREMENT----- | | 1419 | 918 | 232 | 1446 | 4015 |
| EARLY WITHDRAWAL----- | | 125 | 98 | 23 | 172 | 418 |
| SUBTOTAL, RETIREMENT----- | | 1544 | 1016 | 255 | 1618 | 4433 |
| SUBTOTAL, TOTAL COST----- | | 4809 | 5225 | 1415 | 6367 | 17816 |
| ENLISTED COSTS: | | | | | | |
| GAIN----- | | 1520 | 723 | 549 | 746 | 3538 |
| MAINTENANCE----- | | 9929 | 6975 | 2333 | 7448 | 26685 |
| S & I----- | | 165 | 484 | 121 | 118 | 888 |
| LOSS (NON-REIMT)----- | | 179 | 124 | 57 | 105 | 465 |
| **FIXED GAIN COST----- | | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, FORCE COSTS----- | | 11793 | 8306 | 3060 | 8417 | 31576 |
| RETIREMENT----- | | 2522 | 1534 | 444 | 2227 | 6727 |
| EARLY WITHDRAWAL----- | | 325 | 189 | 60 | 327 | 901 |
| SUBTOTAL, RETIREMENT----- | | 2847 | 1723 | 504 | 2554 | 7628 |
| SUBTOTAL, TOTAL COST----- | | 14640 | 10029 | 3564 | 10971 | 39204 |
| TOTAL (OFF+ENL) COSTS: | | | | | | |
| GAIN----- | | 1865 | 2670 | 1135 | 1991 | 7661 |
| MAINTENANCE----- | | 12695 | 9001 | 2879 | 10703 | 35278 |
| S & I----- | | 274 | 672 | 138 | 325 | 1409 |
| LOSS (NON-REIMT)----- | | 224 | 172 | 68 | 147 | 611 |
| **FIXED GAIN COST----- | | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, FORCE COSTS----- | | 15058 | 12515 | 4220 | 13166 | 44959 |
| RETIREMENT----- | | 3941 | 2452 | 676 | 3573 | 10742 |
| EARLY WITHDRAWAL----- | | 450 | 287 | 83 | 439 | 1319 |
| SUBTOTAL, RETIREMENT----- | | 4391 | 2739 | 759 | 4172 | 12061 |
| SUBTOTAL, TOTAL COST----- | | 19449 | 15254 | 4979 | 17338 | 57020 |

NOTE: ON ALL ACOL RUNS, THE SERVICE TOTALS
 DO NOT INCLUDE FIXED GAIN COSTS; THE
 AMOUNT FOR FIXED GAIN COSTS, IF ANY,
 INCLUDES OFFICER COSTS AS WELL.

REFERENCE NUMBER: 58

REIMT OPTION: COLA 62/75% + 3% PEN
 EARLY W/D OPTION: NONE
 SOURCE: DMISH(ACOL B)

COSTS IN \$ MILLIONS

| OFFICER COSTS: | SERVICE: | ARMY | NAVY | CORPS | AIR FORCE | DOO |
|----------------------------|----------|------|------|-------|-----------|-------|
| GAIN----- | | 374 | 2109 | 624 | 1329 | 4436 |
| MAINTENANCE----- | | 2653 | 1971 | 535 | 3173 | 8332 |
| S & I----- | | 109 | 188 | 17 | 207 | 521 |
| LOSS (NON-REIMT)----- | | 49 | 53 | 12 | 45 | 159 |
| **FIXED GAIN COST----- | | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, FORCE COSTS----- | | 3185 | 4321 | 1188 | 4754 | 13448 |
| RETIREMENT----- | | 1159 | 776 | 196 | 1217 | 3348 |
| EARLY WITHDRAWAL----- | | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, RETIREMENT----- | | 1159 | 776 | 196 | 1217 | 3348 |
| SUBTOTAL, TOTAL COST----- | | 4344 | 5097 | 1384 | 5971 | 16796 |

| ENLISTED COSTS: | ARMY | NAVY | CORPS | AIR FORCE | DOO |
|----------------------------|-------|------|-------|-----------|-------|
| GAIN----- | 1598 | 758 | 579 | 779 | 3714 |
| MAINTENANCE----- | 9633 | 6756 | 2230 | 7328 | 25947 |
| S & I----- | 165 | 484 | 121 | 118 | 888 |
| LOSS (NON-REIMT)----- | 190 | 131 | 60 | 109 | 490 |
| **FIXED GAIN COST----- | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, FORCE COSTS----- | 11586 | 8129 | 2990 | 8334 | 31039 |
| RETIREMENT----- | 1850 | 1075 | 319 | 1754 | 4998 |
| EARLY WITHDRAWAL----- | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, RETIREMENT----- | 1850 | 1075 | 319 | 1754 | 4998 |
| SUBTOTAL, TOTAL COST----- | 13436 | 9204 | 3309 | 10088 | 36037 |

| TOTAL (OFF+ENL) COSTS: | ARMY | NAVY | CORPS | AIR FORCE | DOO |
|----------------------------|-------|-------|-------|-----------|-------|
| GAIN----- | 1972 | 2867 | 1203 | 2108 | 8150 |
| MAINTENANCE----- | 12286 | 8727 | 2765 | 10501 | 34279 |
| S & I----- | 274 | 672 | 138 | 325 | 1409 |
| LOSS (NON-REIMT)----- | 239 | 184 | 72 | 154 | 649 |
| **FIXED GAIN COST----- | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, FORCE COSTS----- | 14771 | 12450 | 4178 | 13088 | 44487 |
| RETIREMENT----- | 3009 | 1851 | 515 | 2971 | 8346 |
| EARLY WITHDRAWAL----- | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, RETIREMENT----- | 3009 | 1851 | 515 | 2971 | 8346 |
| SUBTOTAL, TOTAL COST----- | 17780 | 14301 | 4693 | 16059 | 52833 |

NOTE: ON ALL ACOL RUNS, THE SERVICE TOTALS
 DO NOT INCLUDE FIXED GAIN COSTS; THE
 AMOUNT FOR FIXED GAIN COSTS, IF ANY,
 INCLUDES OFFICER COSTS AS WELL.

REFERENCE NUMBER: 59

REIMT OPTION: COLA 62/75% + 3% PEN
 EARLY W/D OPTION: 208(O)/300(E)--0--0
 SOURCE: DMSM[ACOL B]

COSTS IN \$ MILLIONS

| OFFICER COSTS: | SERVICE: | ARMY | NAVY | CORPS | AIR FORCE | DGD |
|----------------------------|----------|-------|-------|-------|-----------|-------|
| GAIN----- | | 347 | 1959 | 590 | 1252 | 4148 |
| MAINTENANCE----- | | 2758 | 2023 | 544 | 3245 | 8570 |
| S & I----- | | 109 | 188 | 17 | 207 | 521 |
| LOSS (NON-REIMT)----- | | 45 | 48 | 11 | 42 | 146 |
| **FIXED GAIN COST----- | | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, FORCE COSTS----- | | 3259 | 4218 | 1162 | 4746 | 13385 |
| RETIREMENT----- | | 1341 | 856 | 214 | 1326 | 3737 |
| EARLY WITHDRAWAL----- | | 115 | 92 | 23 | 176 | 406 |
| SUBTOTAL, RETIREMENT----- | | 1456 | 948 | 237 | 1502 | 4143 |
| SUBTOTAL, TOTAL COST----- | | 4715 | 5166 | 1399 | 6248 | 17528 |
| ENLISTED COSTS: | | | | | | |
| GAIN----- | | 1493 | 715 | 541 | 735 | 3484 |
| MAINTENANCE----- | | 9984 | 6992 | 2357 | 7486 | 26819 |
| S & I----- | | 165 | 484 | 121 | 118 | 888 |
| LOSS (NON-REIMT)----- | | 175 | 123 | 56 | 103 | 457 |
| **FIXED GAIN COST----- | | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, FORCE COSTS----- | | 11817 | 8314 | 3075 | 8442 | 31646 |
| RETIREMENT----- | | 2435 | 1431 | 468 | 2088 | 6422 |
| EARLY WITHDRAWAL----- | | 578 | 320 | 106 | 556 | 1560 |
| SUBTOTAL, RETIREMENT----- | | 3013 | 1751 | 574 | 2644 | 7982 |
| SUBTOTAL, TOTAL COST----- | | 14830 | 10065 | 3649 | 11086 | 39630 |
| TOTAL (OFF+ENL) COSTS: | | | | | | |
| GAIN----- | | 1840 | 2674 | 1131 | 1987 | 7632 |
| MAINTENANCE----- | | 12742 | 9015 | 2901 | 10731 | 35389 |
| S & I----- | | 274 | 672 | 138 | 325 | 1409 |
| LOSS (NON-REIMT)----- | | 220 | 171 | 67 | 145 | 603 |
| **FIXED GAIN COST----- | | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, FORCE COSTS----- | | 15076 | 12532 | 4237 | 13188 | 45033 |
| RETIREMENT----- | | 3776 | 2287 | 682 | 3414 | 10159 |
| EARLY WITHDRAWAL----- | | 693 | 412 | 129 | 732 | 1966 |
| SUBTOTAL, RETIREMENT----- | | 4469 | 2699 | 811 | 4146 | 12125 |
| SUBTOTAL, TOTAL COST----- | | 19545 | 15231 | 5048 | 17334 | 57158 |

NOTE: ON ALL ACOL RUNS, THE SERVICE TOTALS
 DO NOT INCLUDE FIXED GAIN COSTS; THE
 AMOUNT FOR FIXED GAIN COSTS, IF ANY,
 INCLUDES OFFICER COSTS AS WELL.

REFERENCE NUMBER: 60

RETMT OPTION: SS OFFSET=1.25%/YR
 EARLY W/D OPTION: NONE
 SOURCE: ACOL A

COSTS IN \$ MILLIONS

| OFFICER COSTS: | SERVICE: | ARMY | NAVY | MARINE CORPS | AIR FORCE | DOD |
|----------------------------|----------|------|------|--------------|-----------|-------|
| GAIN----- | | 275 | 1658 | 476 | 86 | 3270 |
| MAINTENANCE----- | | 2577 | 1852 | 510 | 3056 | 7995 |
| S & I----- | | 90 | 171 | 11 | 186 | 458 |
| LOSS (NON-RETMT)----- | | 42 | 32 | 10 | 45 | 129 |
| **FIXED GAIN COST----- | | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, FORCE COSTS----- | | 2984 | 3713 | 1007 | 4148 | 11852 |
| RETIREMENT----- | | 973 | 786 | 198 | 1467 | 3424 |
| EARLY WITHDRAWAL----- | | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, RETIREMENT----- | | 973 | 786 | 198 | 1467 | 3424 |
| SUBTOTAL, TOTAL COST----- | | 3957 | 4499 | 1205 | 5615 | 15276 |

| ENLISTED COSTS: | | | | | | |
|----------------------------|--|-------|------|------|-------|-------|
| GAIN----- | | 928 | 528 | 389 | 572 | 2417 |
| MAINTENANCE----- | | 9805 | 6934 | 2537 | 7210 | 26486 |
| S & I----- | | 378 | 470 | 42 | 122 | 1012 |
| LOSS (NON-RETMT)----- | | 186 | 127 | 58 | 109 | 480 |
| **FIXED GAIN COST----- | | 0 | 0 | 0 | 0 | 2040 |
| SUBTOTAL, FORCE COSTS----- | | 11297 | 8059 | 3026 | 8013 | 32435 |
| RETIREMENT----- | | 2686 | 1393 | 403 | 2804 | 7286 |
| EARLY WITHDRAWAL----- | | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, RETIREMENT----- | | 2686 | 1393 | 403 | 2804 | 7286 |
| SUBTOTAL, TOTAL COST----- | | 13983 | 9452 | 3429 | 10817 | 39721 |

| TOTAL (OFF+ENL) COSTS: | | | | | | |
|----------------------------|--|-------|-------|------|-------|-------|
| GAIN----- | | 1203 | 2186 | 865 | 1433 | 5687 |
| MAINTENANCE----- | | 12382 | 8786 | 3047 | 10266 | 34481 |
| S & I----- | | 468 | 641 | 53 | 308 | 1470 |
| LOSS (NON-RETMT)----- | | 228 | 159 | 68 | 154 | 609 |
| **FIXED GAIN COST----- | | 0 | 0 | 0 | 0 | 2040 |
| SUBTOTAL, FORCE COSTS----- | | 14281 | 11772 | 4033 | 12161 | 44287 |
| RETIREMENT----- | | 3659 | 2179 | 601 | 4271 | 10710 |
| EARLY WITHDRAWAL----- | | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, RETIREMENT----- | | 3659 | 2179 | 601 | 4271 | 10710 |
| SUBTOTAL, TOTAL COST----- | | 17940 | 13951 | 4634 | 16432 | 54997 |

NOTE: ON ALL ACOL RUNS, THE SERVICE TOTALS
 DO NOT INCLUDE FIXED GAIN COSTS; THE
 AMOUNT FOR FIXED GAIN COSTS, IF ANY,
 INCLUDES OFFICER COSTS AS WELL.

REFERENCE NUMBER: 61

RETM OPTION: VEST 22, BEFORE SHIFT
 EARLY W/D OPTION: NONE
 SOURCE: ACOL A

COSTS IN \$ MILLIONS

| OFFICER COSTS: | SERVICE: | ARMY | NAVY | MARINE | AIR | DOD |
|----------------------------|----------|-------|-------|--------|-------|-------|
| GAIN----- | | 269 | 1557 | 443 | 799 | 3063 |
| MAINTENANCE----- | | 2607 | 1908 | 530 | 3162 | 8207 |
| S & I----- | | 91 | 173 | 1 | 189 | 464 |
| LOSS (NON-RETM)----- | | 41 | 30 | 9 | 42 | 122 |
| **FIXED GAIN COST----- | | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, FORCE COSTS----- | | 3008 | 3668 | 993 | 4192 | 11861 |
| RETIREMENT----- | | 1356 | 1058 | 295 | 2111 | 4820 |
| EARLY WITHDRAWAL----- | | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, RETIREMENT----- | | 1356 | 1058 | 295 | 2111 | 4820 |
| SUBTOTAL, TOTAL COST----- | | 4364 | 4726 | 1288 | 6303 | 16681 |
| ENLISTED COSTS: | | | | | | |
| GAIN----- | | 892 | 513 | 378 | 544 | 2327 |
| MAINTENANCE----- | | 10070 | 7062 | 2583 | 7431 | 27146 |
| S & I----- | | 370 | 480 | 43 | 121 | 1014 |
| LOSS (NON-RETM)----- | | 173 | 123 | 57 | 104 | 463 |
| **FIXED GAIN COST----- | | 0 | 0 | 0 | 0 | 2040 |
| SUBTOTAL, FORCE COSTS----- | | 11511 | 8178 | 3061 | 8200 | 32990 |
| RETIREMENT----- | | 3405 | 2059 | 569 | 3411 | 9444 |
| EARLY WITHDRAWAL----- | | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, RETIREMENT----- | | 3405 | 2059 | 569 | 3411 | 9444 |
| SUBTOTAL, TOTAL COST----- | | 14916 | 10237 | 3630 | 11611 | 42434 |
| TOTAL (OFF+ENL) COSTS: | | | | | | |
| GAIN----- | | 1161 | 2070 | 821 | 1343 | 5395 |
| MAINTENANCE----- | | 12677 | 8970 | 3113 | 10593 | 35353 |
| S & I----- | | 461 | 653 | 54 | 310 | 1478 |
| LOSS (NON-RETM)----- | | 220 | 153 | 66 | 146 | 585 |
| **FIXED GAIN COST----- | | 0 | 0 | 0 | 0 | 2040 |
| SUBTOTAL, FORCE COSTS----- | | 14519 | 11846 | 4054 | 12392 | 44851 |
| RETIREMENT----- | | 4761 | 3117 | 864 | 5522 | 14264 |
| EARLY WITHDRAWAL----- | | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, RETIREMENT----- | | 4761 | 3117 | 864 | 5522 | 14264 |
| SUBTOTAL, TOTAL COST----- | | 19280 | 14963 | 4918 | 17914 | 59115 |

NOTE: ON ALL ACOL RUNS, THE SERVICE TOTALS
 DO NOT INCLUDE FIXED GAIN COSTS; THE
 AMOUNT FOR FIXED GAIN COSTS, IF ANY,
 INCLUDES OFFICER COSTS AS WELL.

REFERENCE NUMBER: 62

RETMT OPTION: VEST 24, BEFORE SHIFT

EARLY W/D OPTION: NONE

SOURCE: ACOL A

COSTS IN \$ MILLIONS

| OFFICER COSTS: | SERVICE: | ARMY | NAVY | MARINE CORPS | AIR FORCE | DOD |
|----------------------------|----------|------|------|--------------|-----------|-------|
| GAIN----- | | 274 | 1561 | 438 | 793 | 3066 |
| MAINTENANCE----- | | 2587 | 1915 | 535 | 3190 | 8227 |
| S & I----- | | 91 | 171 | 11 | 188 | 461 |
| LOSS (NON-RETMT)----- | | 41 | 30 | 9 | 42 | 122 |
| **FIXED GAIN COST----- | | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, FORCE COSTS----- | | 2993 | 3677 | 993 | 4213 | 11876 |
| RETIREMENT----- | | 1279 | 1039 | 297 | 2093 | 4708 |
| EARLY WITHDRAWAL----- | | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, RETIREMENT----- | | 1279 | 1039 | 297 | 2093 | 4708 |
| SUBTOTAL, TOTAL COST----- | | 4272 | 4716 | 1290 | 6306 | 16584 |

ENLISTED COSTS:

| | | | | | |
|----------------------------|-------|-------|------|-------|-------|
| GAIN----- | 879 | 514 | 380 | 527 | 2300 |
| MAINTENANCE----- | 10268 | 7121 | 2600 | 7646 | 27635 |
| S & I----- | 365 | 475 | 41 | 119 | 1000 |
| LOSS (NON-RETMT)----- | 176 | 124 | 57 | 100 | 457 |
| **FIXED GAIN COST----- | 0 | 0 | 0 | 0 | 2040 |
| SUBTOTAL, FORCE COSTS----- | 11688 | 8234 | 3078 | 8392 | 33432 |
| RETIREMENT----- | 3539 | 2025 | 531 | 3621 | 9716 |
| EARLY WITHDRAWAL----- | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, RETIREMENT----- | 3539 | 2025 | 531 | 3621 | 9716 |
| SUBTOTAL, TOTAL COST----- | 15227 | 10259 | 3609 | 12013 | 43148 |

TOTAL (OFF+ENL) COSTS:

| | | | | | |
|----------------------------|-------|-------|------|-------|-------|
| GAIN----- | 1153 | 2075 | 818 | 1320 | 5366 |
| MAINTENANCE----- | 12855 | 9036 | 3135 | 10836 | 35862 |
| S & I----- | 456 | 646 | 52 | 307 | 1461 |
| LOSS (NON-RETMT)----- | 217 | 154 | 66 | 142 | 579 |
| **FIXED GAIN COST----- | 0 | 0 | 0 | 0 | 2040 |
| SUBTOTAL, FORCE COSTS----- | 14681 | 11911 | 4071 | 12605 | 45308 |
| RETIREMENT----- | 4818 | 3064 | 828 | 5714 | 14424 |
| EARLY WITHDRAWAL----- | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, RETIREMENT----- | 4818 | 3064 | 828 | 5714 | 14424 |
| SUBTOTAL, TOTAL COST----- | 19499 | 14975 | 4899 | 18319 | 59732 |

NOTE: ON ALL ACOL RUNS, THE SERVICE TOTALS
DO NOT INCLUDE FIXED GAIN COSTS; THE
AMOUNT FOR FIXED GAIN COSTS, IF ANY,
INCLUDES OFFICER COSTS AS WELL.

REFERENCE NUMBER: 63

REMIT OPTION: VEST 30, BEFORE SHIFT
 EARLY W/D OPTION: NONE
 SOURCE: ACOL A

COSTS IN \$ MILLIONS

| OFFICER COSTS: | SERVICE: | ARMY | NAVY | MARINE CORPS | AIR FORCE | DOD |
|----------------------------|----------|-------|-------|--------------|-----------|-------|
| GAIN----- | | 297 | 1680 | 460 | 835 | 3272 |
| MAINTENANCE----- | | 2468 | 1864 | 527 | 3160 | 8019 |
| S & I----- | | 90 | 163 | 11 | 182 | 446 |
| LOSS (NON-RETM)----- | | 45 | 33 | 10 | 44 | 132 |
| **FIXED GAIN COST----- | | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, FORCE COSTS----- | | 2900 | 3740 | 1008 | 4221 | 11869 |
| RETIREMENT----- | | 1014 | 895 | 264 | 1850 | 4023 |
| EARLY WITHDRAWAL----- | | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, RETIREMENT----- | | 1014 | 895 | 264 | 1850 | 4023 |
| SUBTOTAL, TOTAL COST----- | | 3914 | 4535 | 1272 | 6071 | 15892 |
| ENLISTED COSTS: | | | | | | |
| GAIN----- | | 909 | 527 | 339 | 526 | 2301 |
| MAINTENANCE----- | | 10173 | 7093 | 2522 | 7787 | 27575 |
| S & I----- | | 370 | 462 | 37 | 119 | 988 |
| LOSS (NON-RETM)----- | | 182 | 127 | 60 | 100 | 469 |
| **FIXED GAIN COST----- | | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, FORCE COSTS----- | | 11634 | 8209 | 2958 | 8532 | 33373 |
| RETIREMENT----- | | 3109 | 1827 | 359 | 3595 | 8890 |
| EARLY WITHDRAWAL----- | | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, RETIREMENT----- | | 3109 | 1827 | 359 | 3595 | 8890 |
| SUBTOTAL, TOTAL COST----- | | 14743 | 10036 | 3317 | 12127 | 42263 |
| TOTAL (OFF+ENL) COSTS: | | | | | | |
| GAIN----- | | 1206 | 2207 | 799 | 1351 | 5573 |
| MAINTENANCE----- | | 12641 | 8957 | 3049 | 10947 | 35594 |
| S & I----- | | 460 | 625 | 48 | 301 | 1434 |
| LOSS (NON-RETM)----- | | 227 | 160 | 70 | 144 | 601 |
| **FIXED GAIN COST----- | | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, FORCE COSTS----- | | 14534 | 11949 | 3966 | 12753 | 45242 |
| RETIREMENT----- | | 4123 | 2722 | 623 | 5445 | 12913 |
| EARLY WITHDRAWAL----- | | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, RETIREMENT----- | | 4123 | 2722 | 623 | 5445 | 12913 |
| SUBTOTAL, TOTAL COST----- | | 18657 | 14671 | 4589 | 18198 | 58155 |

NOTE: ON ALL ACOL RUNS, THE SERVICE TOTALS
 DO NOT INCLUDE FIXED GAIN COSTS; THE
 AMOUNT FOR FIXED GAIN COSTS, IF ANY,
 INCLUDES OFFICER COSTS AS WELL.

REFERENCE NUMBER: 64

RETI OPTION: VEST 22, AFTER SHIFT
 EARLY W/D OPTION: NONE
 SOURCE: ACOL A

COSTS IN \$ MILLIONS

| | SERVICE: | ARMY | NAVY | MARINE CORPS | AIR FORCE | DOD |
|-------------------------------|----------|-------|-------|--------------|-----------|-------|
| OFFICER COSTS: | | | | | | |
| GAIN----- | | 297 | 1836 | 512 | 923 | 3568 |
| MAINTENANCE----- | | 2490 | 1774 | 496 | 2975 | 7735 |
| S & I----- | | 89 | 161 | 11 | 183 | 444 |
| LOSS (NON-RETI)----- | | 45 | 36 | 11 | 49 | 141 |
| **FIXED GAIN COST----- | | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, FORCE COSTS----- | | 2921 | 3807 | 1030 | 4130 | 11888 |
| RETIEMENT----- | | 969 | 722 | 209 | 1508 | 3408 |
| EARLY WITHDRAWAL----- | | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, RETIREMENT----- | | 969 | 722 | 209 | 1508 | 3408 |
| SUBTOTAL, TOTAL COST----- | | 3890 | 4529 | 1239 | 5638 | 15296 |
| ENLISTED COSTS: | | | | | | |
| GAIN----- | | 973 | 567 | 407 | 614 | 2561 |
| MAINTENANCE----- | | 9560 | 6713 | 2462 | 6997 | 25732 |
| S & I----- | | 385 | 432 | 35 | 121 | 973 |
| LOSS (NON-RETI)----- | | 195 | 136 | 61 | 117 | 509 |
| **FIXED GAIN COST----- | | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, FORCE COSTS----- | | 11113 | 7848 | 2965 | 7849 | 31815 |
| RETIEMENT----- | | 1779 | 1007 | 260 | 1947 | 4993 |
| EARLY WITHDRAWAL----- | | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, RETIREMENT----- | | 1779 | 1007 | 260 | 1947 | 4993 |
| SUBTOTAL, TOTAL COST----- | | 12892 | 8855 | 3225 | 9796 | 36808 |
| TOTAL (OFF+ENL) COSTS: | | | | | | |
| GAIN----- | | 1270 | 2403 | 919 | 1537 | 6129 |
| MAINTENANCE----- | | 12050 | 8487 | 2958 | 9972 | 33467 |
| S & I----- | | 474 | 593 | 46 | 304 | 1417 |
| LOSS (NON-RETI)----- | | 240 | 172 | 72 | 166 | 650 |
| **FIXED GAIN COST----- | | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, FORCE COSTS----- | | 14034 | 11655 | 3995 | 11979 | 43703 |
| RETIEMENT----- | | 2748 | 1729 | 469 | 3455 | 8401 |
| EARLY WITHDRAWAL----- | | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, RETIREMENT----- | | 2748 | 1729 | 469 | 3455 | 8401 |
| SUBTOTAL, TOTAL COST----- | | 16782 | 13384 | 4464 | 15434 | 52104 |

NOTE: ON ALL ACOL RUNS, THE SERVICE TOTALS
 DO NOT INCLUDE FIXED GAIN COSTS; THE
 AMOUNT FOR FIXED GAIN COSTS, IF ANY,
 INCLUDES OFFICER COSTS AS WELL.

REFERENCE NUMBER: 65

RETI OPTION: VEST 2nd, AFTER SHIFT
EARLY W/D OPTION: MORE
SOURCE: ACOL A

COSTS IN \$ MILLIONS

| OFFICER COSTS: | SERVICE: | ARMY | NAVY | MARINE CORPS | AIR FORCE | DOD |
|----------------------------|----------|-------|-------|--------------|-----------|-------|
| GAIN----- | | 300 | 1997 | 537 | 994 | 3828 |
| MAINTENANCE----- | | 2498 | 1699 | 485 | 2881 | 7563 |
| S & I----- | | 89 | 152 | 10 | 179 | 430 |
| LOSS (NON-RETI)----- | | 45 | 39 | 11 | 52 | 147 |
| **FIXED GAIN COST----- | | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, FORCE COSTS----- | | 2932 | 3887 | 1043 | 4106 | 11968 |
| RETIREMENT----- | | 916 | 581 | 189 | 1343 | 3029 |
| EARLY WITHDRAWAL----- | | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, RETIREMENT----- | | 916 | 581 | 189 | 1343 | 3029 |
| SUBTOTAL, TOTAL COST----- | | 3848 | 4468 | 1232 | 5449 | 14997 |
| ENLISTED COSTS: | | | | | | |
| GAIN----- | | 1013 | 585 | 419 | 641 | 2658 |
| MAINTENANCE----- | | 9374 | 6612 | 2419 | 6877 | 25282 |
| S & I----- | | 392 | 417 | 32 | 122 | 963 |
| LOSS (NON-RETI)----- | | 203 | 141 | 63 | 122 | 529 |
| **FIXED GAIN COST----- | | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, FORCE COSTS----- | | 10982 | 7755 | 2933 | 7762 | 2040 |
| RETIREMENT----- | | 1128 | 625 | 150 | 1415 | 3318 |
| EARLY WITHDRAWAL----- | | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, RETIREMENT----- | | 1128 | 625 | 150 | 1415 | 3318 |
| SUBTOTAL, TOTAL COST----- | | 12110 | 8380 | 3083 | 9177 | 34790 |
| TOTAL (OFF+ENL) COSTS: | | | | | | |
| GAIN----- | | 1313 | 2582 | 956 | 1635 | 6486 |
| MAINTENANCE----- | | 11872 | 8311 | 2904 | 9758 | 32845 |
| S & I----- | | 481 | 569 | 42 | 301 | 1393 |
| LOSS (NON-RETI)----- | | 248 | 180 | 74 | 174 | 676 |
| **FIXED GAIN COST----- | | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, FORCE COSTS----- | | 13914 | 11642 | 3976 | 11868 | 43440 |
| RETIREMENT----- | | 2044 | 1206 | 339 | 2758 | 6347 |
| EARLY WITHDRAWAL----- | | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, RETIREMENT----- | | 2044 | 1206 | 339 | 2758 | 6347 |
| SUBTOTAL, TOTAL COST----- | | 15958 | 12848 | 4315 | 14626 | 49787 |

NOTE: ON ALL ACOL RUNS, THE SERVICE TOTALS
DO NOT INCLUDE FIXED GAIN COSTS; THE
AMOUNT FOR FIXED GAIN COSTS, IF ANY,
INCLUDES OFFICER COSTS AS WELL.

REFERENCE NUMBER: 66

REMT OPTION: VEST 30, AFTER SHIFT
 EARLY W/D OPTION: NONE
 SOURCE: ACOL A

COSTS IN \$ MILLIONS

| OFFICER COSTS: | SERVICE: | ARMY | NAVY | MARINE CORPS | AIR FORCE | DOD |
|----------------------------|----------|-------|-------|--------------|-----------|-------|
| GAIN----- | | 336 | 2266 | 591 | 1134 | 4327 |
| MAINTENANCE----- | | 2358 | 1590 | 466 | 2706 | 7120 |
| S & I----- | | 87 | 139 | 9 | 172 | 407 |
| LOSS (NON-RETM)----- | | 51 | 44 | 12 | 60 | 167 |
| **FIXED GAIN COST----- | | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, FORCE COSTS----- | | 2832 | 4039 | 1078 | 4072 | 12021 |
| RETIREMENT----- | | 593 | 368 | 136 | 972 | 2069 |
| EARLY WITHDRAWAL----- | | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, RETIREMENT----- | | 593 | 368 | 136 | 972 | 2069 |
| SUBTOTAL, TOTAL COST----- | | 3425 | 4407 | 1214 | 5044 | 14090 |
| ENLISTED CC YTS: | | | | | | |
| GAIN----- | | 1040 | 598 | 433 | 658 | 2729 |
| MAINTENANCE----- | | 9262 | 6542 | 2377 | 6812 | 24993 |
| S & I----- | | 395 | 405 | 28 | 121 | 949 |
| LOSS (NON-RETM)----- | | 208 | 144 | 65 | 125 | 542 |
| **FIXED GAIN COST----- | | 0 | 0 | 0 | 0 | 2040 |
| SUBTOTAL, FORCE COSTS----- | | 10905 | 7689 | 2903 | 7716 | 31253 |
| RETIREMENT----- | | 727 | 355 | 85 | 1099 | 2266 |
| EARLY WITHDRAWAL----- | | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, RETIREMENT----- | | 727 | 355 | 85 | 1099 | 2266 |
| SUBTOTAL, TOTAL COST----- | | 11632 | 8044 | 2988 | 8815 | 33519 |
| TOTAL (OFF+ENL) COSTS: | | | | | | |
| GAIN----- | | 1376 | 2864 | 1024 | 1792 | 7056 |
| MAINTENANCE----- | | 11620 | 8132 | 2843 | 9518 | 32113 |
| S & I----- | | 482 | 544 | 37 | 293 | 1356 |
| LOSS (NON-RETM)----- | | 259 | 188 | 77 | 185 | 709 |
| **FIXED GAIN COST----- | | 0 | 0 | 0 | 0 | 2040 |
| SUBTOTAL, FORCE COSTS----- | | 13737 | 11728 | 3981 | 11788 | 43274 |
| RETIREMENT----- | | 1320 | 722 | 221 | 2071 | 4335 |
| EARLY WITHDRAWAL----- | | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, RETIREMENT----- | | 1320 | 723 | 221 | 2071 | 4335 |
| SUBTOTAL, TOTAL COST----- | | 15057 | 12451 | 4202 | 13859 | 47609 |

NOTE: ON ALL ACOL RUNS, THE SERVICE TOTALS
 DO NOT INCLUDE FIXED GAIN COSTS; THE
 AMOUNT FOR FIXED GAIN COSTS, IF ANY,
 INCLUDES OFFICER COSTS AS WELL.

REFERENCE NUMBER: 57

RETMT OPTION: RMA
EARLY W/D OPTION: NONE
SOURCE: ACOL A

COSTS IN \$ MILLIONS

| | ARMY | NAVY | MARINE CORPS | AIR FORCE | DOD |
|-------------------------------|-------|-------|--------------|-----------|-------|
| OFFICER COSTS: | | | | | |
| GAIN----- | 280 | 1666 | 478 | 871 | 3295 |
| MAINTENANCE----- | 2550 | 1842 | 509 | 3039 | 7940 |
| S & I----- | 119 | 110 | 5 | 147 | 381 |
| LOSS (NON-RETM)----- | 42 | 32 | 10 | 46 | 130 |
| **FIXED GAIN COST----- | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, FORCE COSTS----- | 2991 | 3650 | 1002 | 4103 | 11746 |
| RETIREMENT----- | 1151 | 860 | 240 | 1755 | 4006 |
| EARLY WITHDRAWAL----- | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, RETIREMENT----- | 1151 | 860 | 240 | 1755 | 4006 |
| SUBTOTAL, TOTAL COST----- | 4142 | 4510 | 1242 | 5858 | 15752 |
| ENLISTED COSTS: | | | | | |
| GAIN----- | 916 | 528 | 387 | 566 | 2397 |
| MAINTENANCE----- | 9832 | 6929 | 2536 | 7236 | 26533 |
| S & I----- | 377 | 470 | 42 | 123 | 1012 |
| LOSS (NON-RETM)----- | 183 | 127 | 58 | 108 | 476 |
| **FIXED GAIN COST----- | 0 | 0 | 0 | 0 | 2040 |
| SUBTOTAL, FORCE COSTS----- | 11308 | 8054 | 3023 | 8033 | 32458 |
| RETIREMENT----- | 2706 | 1627 | 393 | 2818 | 7544 |
| EARLY WITHDRAWAL----- | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, RETIREMENT----- | 2706 | 1627 | 393 | 2818 | 7544 |
| SUBTOTAL, TOTAL COST----- | 14014 | 9681 | 3416 | 10851 | 40002 |
| TOTAL (OFF+ENL) COSTS: | | | | | |
| GAIN----- | 1196 | 2194 | 865 | 1417 | 5692 |
| MAINTENANCE----- | 12382 | 8771 | 3045 | 10275 | 34473 |
| S & I----- | 496 | 580 | 47 | 270 | 1393 |
| LOSS (NON-RETM)----- | 225 | 159 | 68 | 154 | 606 |
| **FIXED GAIN COST----- | 0 | 0 | 0 | 0 | 2040 |
| SUBTOTAL, FORCE COSTS----- | 14299 | 11704 | 4025 | 12136 | 44204 |
| RETIREMENT----- | 3857 | 2487 | 633 | 4573 | 11550 |
| EARLY WITHDRAWAL----- | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, RETIREMENT----- | 3857 | 2487 | 633 | 4573 | 11550 |
| SUBTOTAL, TOTAL COST----- | 18156 | 14191 | 4658 | 16709 | 55754 |

NOTE: ON ALL ACOL RUNS, THE SERVICE TOTALS
DO NOT INCLUDE FIXED GAIN COSTS; THE
AMOUNT FOR FIXED GAIN COSTS, IF ANY,
INCLUDES OFFICER COSTS AS WELL.

REFERENCE NUMBER: 68

RETMT OPTION: USRBA W/O LOAN
 EARLY W/O OPTION: NONE
 SOURCE: ACOL A

COSTS IN \$ MILLIONS

| OFFICER COSTS: | | SERVICE: | | ARMY | NAVY | MARINE | AIR | DOD |
|----------------------------|--|----------|--|-------|------|--------|-------|-------|
| GAIN----- | | 285 | | 1689 | | 482 | 882 | 3338 |
| MAINTENANCE----- | | 2532 | | 1835 | | 508 | 3027 | 7902 |
| S & I----- | | 119 | | 109 | | 5 | 147 | 380 |
| LOSS (NON-RETM)----- | | 43 | | 33 | | 10 | 46 | 132 |
| **FIXED GAIN COST----- | | 0 | | 0 | | 0 | 0 | 0 |
| SUBTOTAL, FORCE COSTS----- | | 2979 | | 3666 | | 1005 | 4102 | 11752 |
| RETIREMENT----- | | 1107 | | 832 | | 236 | 1724 | 3895 |
| EARLY WITHDRAWAL----- | | | | 0 | | 0 | 0 | 0 |
| SUBTOTAL, RETIREMENT----- | | 1107 | | 832 | | 236 | 1724 | 3899 |
| SUBTOTAL, TOTAL COST----- | | 4086 | | 4498 | | 1241 | 5826 | 15651 |
| ENLISTED COSTS: | | | | | | | | |
| GAIN----- | | 919 | | 527 | | 387 | 568 | 2401 |
| MAINTENANCE----- | | 9822 | | 6932 | | 2538 | 7221 | 26513 |
| S & I----- | | 377 | | 471 | | 42 | 123 | 1013 |
| LOSS (NON-RETM)----- | | 184 | | 127 | | 58 | 108 | 477 |
| **FIXED GAIN COST----- | | 0 | | 0 | | 0 | 0 | 2040 |
| SUBTOTAL, FORCE COSTS----- | | 11302 | | 8057 | | 3025 | 8020 | 32444 |
| RETIREMENT----- | | 2806 | | 1729 | | 414 | 2890 | 7839 |
| EARLY WITHDRAWAL----- | | | | 0 | | 0 | 0 | 0 |
| SUBTOTAL, RETIREMENT----- | | 2806 | | 1729 | | 414 | 2890 | 7839 |
| SUBTOTAL, TOTAL COST----- | | 14108 | | 9786 | | 3439 | 10910 | 40283 |
| TOTAL (OFF+EML) COSTS: | | | | | | | | |
| GAIN----- | | 1204 | | 2216 | | 869 | 1450 | 5739 |
| MAINTENANCE----- | | 12354 | | 8767 | | 3046 | 10248 | 34415 |
| S & I----- | | 496 | | 580 | | 47 | 270 | 1393 |
| LOSS (NON-RETM)----- | | 227 | | 160 | | 68 | 154 | 609 |
| **FIXED GAIN COST----- | | 0 | | 0 | | 0 | 0 | 2040 |
| SUBTOTAL, FORCE COSTS----- | | 14281 | | 11723 | | 4030 | 12122 | 44196 |
| RETIREMENT----- | | 3913 | | 2561 | | 650 | 4614 | 11738 |
| EARLY WITHDRAWAL----- | | 0 | | 0 | | 0 | 0 | 0 |
| SUBTOTAL, RETIREMENT----- | | 3913 | | 2561 | | 650 | 4614 | 11738 |
| SUBTOTAL, TOTAL COST----- | | 18194 | | 14284 | | 4680 | 16736 | 55934 |

REFERENCE NUMBER: 69

REIMT OPTION: USRBA WITH LOAN
 EARLY W/D OPTION: LOAN OPTION
 SOURCE: ACOL A

COSTS IN \$ MILLIONS

| OFFICER COSTS: | SERVICE: | ARMY | NAVY | MARINE CORPS | AIR FORCE | DOD |
|----------------------------|----------|-------|-------|--------------|-----------|-------|
| GAIN----- | ----- | 262 | 1557 | 453 | 816 | 3088 |
| MAINTENANCE----- | ----- | 2610 | 1881 | 516 | 3093 | 8100 |
| S & I----- | ----- | 120 | 112 | 5 | 149 | 386 |
| LOSS (NON-REIMT)----- | ----- | 40 | 30 | 9 | 43 | 122 |
| **FIXED GAIN COST----- | ----- | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, FORCE COSTS----- | ----- | 3032 | 3580 | 983 | 4101 | 11696 |
| RETIREMENT----- | ----- | 1271 | 927 | 255 | 1863 | 4316 |
| EARLY WITHDRAWAL----- | ----- | 91 | 75 | 19 | 138 | 323 |
| SUBTOTAL, RETIREMENT----- | ----- | 1362 | 1002 | 274 | 2001 | 4639 |
| SUBTOTAL, TOTAL COST----- | ----- | 4394 | 4582 | 1257 | 6102 | 16335 |
| ENLISTED COSTS: | ----- | 875 | 507 | 369 | 544 | 2295 |
| GAIN----- | ----- | 10000 | 7035 | 2597 | 7325 | 26957 |
| MAINTENANCE----- | ----- | 372 | 488 | 47 | 125 | 1032 |
| S & I----- | ----- | 175 | 122 | 55 | 104 | 456 |
| LOSS (NON-REIMT)----- | ----- | 0 | 0 | 0 | 0 | 2040 |
| **FIXED GAIN COST----- | ----- | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, FORCE COSTS----- | ----- | 11422 | 8152 | 3068 | 8548 | 32780 |
| RETIREMENT----- | ----- | 3072 | 1862 | 502 | 2994 | 8430 |
| EARLY WITHDRAWAL----- | ----- | 296 | 164 | 51 | 292 | 803 |
| SUBTOTAL, RETIREMENT----- | ----- | 3368 | 2026 | 553 | 3286 | 9233 |
| SUBTOTAL, TOTAL COST----- | ----- | 14790 | 10178 | 3621 | 11384 | 42013 |
| TOTAL (OFF+ENL) COSTS: | ----- | 1137 | 2064 | 822 | 1360 | 5383 |
| GAIN----- | ----- | 12610 | 8916 | 3113 | 10418 | 35057 |
| MAINTENANCE----- | ----- | 492 | 600 | 52 | 274 | 1418 |
| S & I----- | ----- | 215 | 152 | 64 | 147 | 578 |
| LOSS (NON-REIMT)----- | ----- | 0 | 0 | 0 | 0 | 2040 |
| **FIXED GAIN COST----- | ----- | 14454 | 11732 | 4051 | 12199 | 44476 |
| SUBTOTAL, FORCE COSTS----- | ----- | 4343 | 2789 | 757 | 4857 | 12746 |
| RETIREMENT----- | ----- | 387 | 239 | 70 | 430 | 1126 |
| EARLY WITHDRAWAL----- | ----- | 4730 | 3028 | 827 | 5287 | 13872 |
| SUBTOTAL, RETIREMENT----- | ----- | 19184 | 14760 | 4878 | 17486 | 58348 |
| SUBTOTAL, TOTAL COST----- | ----- | | | | | |

NOTE: ON ALL ACOL RUNS, THE SERVICE TOTALS
 DO NOT INCLUDE FIXED GAIN COSTS; THE
 AMOUNT FOR FIXED GAIN COSTS, IF ANY,
 INCLUDES OFFICER COSTS AS WELL.

REFERENCE NUMBER: 70
 REIMT OPTION: PPSSCC OSD 24B
 EARLY W/D OPTION: NONE
 SOURCE: ACOL A

COSTS IN \$ MILLIONS

| SERVICE: | ARMY | NAVY | MARINE CORPS | AIR FORCE | DOD |
|----------------------------|-------|-------|--------------|-----------|-------|
| OFFICER COSTS: | | | | | |
| GAIN----- | 310 | 1811 | 498 | 924 | 3543 |
| MAINTENANCE----- | 2418 | 1789 | 505 | 2989 | 7701 |
| S & I----- | 89 | 162 | 11 | 182 | 444 |
| LOSS (NON-REIMT)----- | 47 | 35 | 10 | 49 | 141 |
| **FIXED GAIN COST----- | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, FORCE COSTS----- | 2864 | 3797 | 1024 | 4144 | 11829 |
| RETIREMENT----- | 308 | 375 | 104 | 689 | 1476 |
| EARLY WITHDRAWAL----- | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, RETIREMENT----- | 308 | 375 | 104 | 689 | 1476 |
| SUBTOTAL, TOTAL COST----- | 3172 | 4172 | 1128 | 4833 | 13305 |
| ENLISTED COSTS: | | | | | |
| GAIN----- | 980 | 559 | 419 | 590 | 2548 |
| MAINTENANCE----- | 9578 | 6769 | 2430 | 7132 | 25909 |
| S & I----- | 385 | 442 | 33 | 122 | 982 |
| LOSS (NON-REIMT)----- | 196 | 135 | 63 | 113 | 507 |
| **FIXED GAIN COST----- | 0 | 0 | 0 | 0 | 2040 |
| SUBTOTAL, FORCE COSTS----- | 11139 | 7965 | 2945 | 7957 | 31986 |
| RETIREMENT----- | 678 | 401 | 75 | 835 | 1989 |
| EARLY WITHDRAWAL----- | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, RETIREMENT----- | 678 | 401 | 75 | 835 | 1989 |
| SUBTOTAL, TOTAL COST----- | 11817 | 8306 | 3020 | 8792 | 33975 |
| TOTAL (OFF+ENL) COSTS: | | | | | |
| GAIN----- | 1290 | 2370 | 917 | 1514 | 6091 |
| MAINTENANCE----- | 11996 | 8558 | 2935 | 10121 | 33610 |
| S & I----- | 474 | 604 | 44 | 304 | 1426 |
| LOSS (NON-REIMT)----- | 243 | 170 | 73 | 162 | 648 |
| **FIXED GAIN COST----- | 0 | 0 | 0 | 0 | 2040 |
| SUBTOTAL, FORCE COSTS----- | 14003 | 11702 | 3969 | 12101 | 43815 |
| RETIREMENT----- | 986 | 776 | 179 | 1524 | 3465 |
| EARLY WITHDRAWAL----- | 0 | 0 | 0 | 0 | 0 |
| SUBTOTAL, RETIREMENT----- | 986 | 776 | 179 | 1524 | 3465 |
| SUBTOTAL, TOTAL COST----- | 14989 | 12478 | 4148 | 13625 | 47280 |

NOTE: ON ALL ACOL RUNS, THE SERVICE TOTALS
 DO NOT INCLUDE FIXED GAIN COSTS; THE
 AMOUNT FOR FIXED GAIN COSTS, IF ANY,
 INCLUDES OFFICER COSTS AS WELL.

REFERENCE NUMBER: 71

REIMT OPTION: PPSSCC USAF 1.9%

EARLY W/D OPTION: NONE

SOURCE: ACOL A

COSTS IN \$ MILLIONS

| OFFICER COSTS: | | SERVICE: | | | | MARINE | | AIR | | DOD | |
|----------------------------|--|----------|-------|-------|-------|--------|--|-----|--|-------|--|
| | | ARMY | NAVY | CORPS | FORCE | | | | | | |
| GAIN----- | | 339 | 2029 | 544 | 1027 | | | | | 3939 | |
| MAINTENANCE----- | | 2334 | 1704 | 489 | 2880 | | | | | 7407 | |
| S & I----- | | 87 | 153 | 10 | 177 | | | | | 427 | |
| LOSS (NON-RETM)----- | | 51 | 40 | 11 | 54 | | | | | 156 | |
| **FIXED GAIN COST----- | | 0 | 0 | 0 | 0 | | | | | 0 | |
| SUBTOTAL, FORCE COSTS----- | | 2811 | 3926 | 1054 | 4138 | | | | | 11929 | |
| RETIREMENT----- | | 240 | 232 | 76 | 525 | | | | | 1073 | |
| EARLY WITHDRAWAL----- | | 0 | 0 | 0 | 0 | | | | | 0 | |
| SUBTOTAL, RETIREMENT----- | | 240 | 232 | 76 | 525 | | | | | 1073 | |
| SUBTOTAL, TOTAL COST----- | | 3051 | 4158 | 1130 | 4663 | | | | | 13002 | |
| ENLISTED COSTS: | | | | | | | | | | | |
| GAIN----- | | 998 | 566 | 431 | 600 | | | | | 2595 | |
| MAINTENANCE----- | | 9493 | 6728 | 2398 | 7097 | | | | | 25716 | |
| S & I----- | | 387 | 437 | 29 | 122 | | | | | 975 | |
| LOSS (NON-RETM)----- | | 200 | 136 | 65 | 114 | | | | | 515 | |
| **FIXED GAIN COST----- | | 0 | 0 | 0 | 0 | | | | | 2040 | |
| SUBTOTAL, FORCE COSTS----- | | 11078 | 7867 | 2923 | 7933 | | | | | 31841 | |
| RETIREMENT----- | | 652 | 401 | 61 | 911 | | | | | 2025 | |
| EARLY WITHDRAWAL----- | | 0 | 0 | 0 | 0 | | | | | 0 | |
| SUBTOTAL, RETIREMENT----- | | 652 | 401 | 61 | 911 | | | | | 2025 | |
| SUBTOTAL, TOTAL COST----- | | 11730 | 8268 | 2984 | 8844 | | | | | 33866 | |
| TOTAL (OFF+ENL) COSTS: | | | | | | | | | | | |
| GAIN----- | | 1337 | 2595 | 975 | 1627 | | | | | 6534 | |
| MAINTENANCE----- | | 11827 | 8432 | 2887 | 9977 | | | | | 33123 | |
| S & I----- | | 474 | 590 | 39 | 299 | | | | | 1402 | |
| LOSS (NON-RETM)----- | | 251 | 176 | 76 | 168 | | | | | 671 | |
| **FIXED GAIN COST----- | | 0 | 0 | 0 | 0 | | | | | 2040 | |
| SUBTOTAL, FORCE COSTS----- | | 13889 | 11793 | 3977 | 12071 | | | | | 43770 | |
| RETIREMENT----- | | 892 | 633 | 137 | 1436 | | | | | 3098 | |
| EARLY WITHDRAWAL----- | | 0 | 0 | 0 | 0 | | | | | 0 | |
| SUBTOTAL, RETIREMENT----- | | 892 | 633 | 137 | 1436 | | | | | 3098 | |
| SUBTOTAL, TOTAL COST----- | | 14781 | 12426 | 4114 | 13507 | | | | | 46868 | |

NOTE: ON ALL ACOL RUNS, THE SERVICE TOTALS
DO NOT INCLUDE FIXED GAIN COSTS; THE
AMOUNT FOR FIXED GAIN COSTS, IF ANY,
INCLUDES OFFICER COSTS AS WELL.

COSTS IN \$ MILLIONS

SOURCE:-

| GAIN | MAINT | S&I | LOSS | FIXED | FORCE | RETM | EW | TOTRET | TOTAL |
|------|-------|-----|------|-------|-------|------|-----|--------|-------|
| 266 | 2594 | 120 | 40 | 0 | 3020 | 1487 | 0 | 1487 | 4507 |
| 269 | 2589 | 91 | 41 | 0 | 2990 | 1428 | 0 | 1428 | 4418 |
| 270 | 2552 | 90 | 42 | 0 | 2963 | 1234 | 0 | 1234 | 4197 |
| 290 | 2515 | 90 | 44 | 0 | 2939 | 1046 | 0 | 1046 | 3985 |
| 264 | 2599 | 91 | 40 | 0 | 2994 | 1160 | 113 | 1273 | 4267 |
| 301 | 2475 | 89 | 46 | 0 | 2911 | 862 | 0 | 862 | 3773 |
| 312 | 2554 | 91 | 41 | 0 | 2958 | 1003 | 124 | 1127 | 4085 |
| 259 | 2617 | 92 | 39 | 0 | 3007 | 1025 | 171 | 1196 | 4203 |
| 313 | 2435 | 88 | 47 | 0 | 2883 | 688 | 0 | 688 | 3571 |
| 325 | 2397 | 88 | 49 | 0 | 2859 | 528 | 0 | 528 | 3387 |
| 274 | 2579 | 91 | 39 | 0 | 2983 | 1320 | 0 | 1320 | 4303 |
| 263 | 2610 | 91 | 37 | 0 | 3001 | 1386 | 52 | 1438 | 4439 |
| 277 | 2570 | 90 | 42 | 0 | 2979 | 1228 | 0 | 1228 | 4207 |
| 259 | 2625 | 91 | 39 | 0 | 3014 | 1331 | 87 | 1418 | 4432 |
| 280 | 2559 | 90 | 43 | 0 | 2972 | 1147 | 0 | 1147 | 4119 |
| 255 | 2642 | 92 | 39 | 0 | 3028 | 1288 | 122 | 1410 | 4438 |
| 283 | 2544 | 90 | 43 | 0 | 2960 | 975 | 0 | 975 | 3935 |
| 250 | 2661 | 92 | 35 | 0 | 3041 | 1250 | 157 | 1407 | 4448 |
| 288 | 2522 | 90 | 40 | 0 | 2940 | 1018 | 0 | 1018 | 3958 |
| 292 | 2498 | 90 | 40 | 0 | 2920 | 975 | 0 | 975 | 3895 |
| 240 | 2698 | 91 | 36 | 0 | 3066 | 1195 | 229 | 1424 | 4490 |
| 271 | 2584 | 91 | 41 | 0 | 2987 | 1368 | 0 | 1368 | 4355 |
| 274 | 2577 | 91 | 42 | 0 | 2984 | 1283 | 0 | 1283 | 4267 |
| 275 | 2574 | 90 | 42 | 0 | 2981 | 1241 | 0 | 1241 | 4222 |
| 277 | 2566 | 90 | 42 | 0 | 2975 | 1159 | 0 | 1159 | 4134 |
| 282 | 2560 | 90 | 43 | 0 | 2975 | 1082 | 0 | 1082 | 4057 |
| 282 | 2546 | 90 | 43 | 0 | 2961 | 949 | 0 | 949 | 3910 |
| 273 | 2576 | 91 | 41 | 0 | 2981 | 1272 | 0 | 1272 | 4253 |
| 279 | 2556 | 90 | 42 | 0 | 2967 | 1134 | 0 | 1134 | 4101 |
| 282 | 2546 | 90 | 43 | 0 | 2961 | 1100 | 0 | 1100 | 4061 |
| 288 | 2526 | 90 | 44 | 0 | 2948 | 961 | 0 | 961 | 3909 |
| 260 | 2621 | 91 | 39 | 0 | 3011 | 1090 | 120 | 1210 | 4221 |
| 293 | 2506 | 90 | 44 | 0 | 2933 | 827 | 0 | 827 | 3760 |
| 303 | 2471 | 89 | 46 | 0 | 2909 | 643 | 0 | 648 | 3557 |
| 281 | 2547 | 119 | 43 | 0 | 2990 | 1100 | 0 | 1100 | 4090 |
| 291 | 2512 | 118 | 44 | 0 | 2965 | 860 | 0 | 860 | 3825 |
| 300 | 2481 | 118 | 45 | 0 | 2944 | 681 | 0 | 681 | 3625 |
| 307 | 2454 | 117 | 47 | 0 | 2925 | 548 | 0 | 548 | 3473 |
| 289 | 2523 | 90 | 44 | 0 | 2946 | 939 | 0 | 939 | 3885 |
| 262 | 2612 | 91 | 40 | 0 | 3005 | 1036 | 111 | 1147 | 4152 |
| 317 | 2641 | 109 | 44 | 0 | 3171 | 1138 | 0 | 1138 | 4309 |
| 266 | 2594 | 120 | 40 | 0 | 3020 | 1487 | 0 | 1487 | 4507 |
| 301 | 2476 | 118 | 46 | 0 | 2941 | 863 | 0 | 863 | 3804 |
| 258 | 2617 | 121 | 39 | 0 | 3035 | 1028 | 171 | 1199 | 4234 |
| 279 | 2559 | 119 | 42 | 0 | 2999 | 1153 | 0 | 1153 | 4152 |
| 254 | 2643 | 121 | 39 | 0 | 3057 | 1294 | 122 | 1416 | 4473 |
| 287 | 2526 | 118 | 44 | 0 | 2975 | 963 | 0 | 963 | 3938 |
| 259 | 2621 | 120 | 39 | 0 | 2974 | 1093 | 120 | 1213 | 4252 |
| 288 | 2524 | 118 | 44 | | | | | | |

L-B-76
ATCH 4

COSTS IN \$ MILLIONS

SERVICE: ARMY COMMUNITY: OFF

REF: RETIREMENT REALLOCATION
OPTION:

51 COLA 62/75% + 3% PEN 200(0)/300(E)--0--0
52 DEC 30% (1.75 MULT) NONE
53 DEC 30% (1.75 MULT) 210-60-100
54 3% PEN NONE
55 3% PEN 210--0--0
56 COLA 62/50% NONE
57 COLA 62/50% 160--40--50
58 COLA 62/75% + 3% PEN NONE
59 COLA 62/75% + 3% PEN 200(0)/300(E)--0--0
60 SS OFFSET=1.25%/YR NONE
61 VEST 22,BEFORE SHIFT NONE
62 VEST 24,BEFORE SHIFT NONE
63 VEST 30,BEFORE SHIFT NONE
64 VEST 22,AFTER SHIFT NONE
65 VEST 24,AFTER SHIFT NONE
66 VEST 30,AFTER SHIFT NONE
67 RMA NONE
68 USRBA W/O LOAN NONE
69 USRBA WITH LOAN LOAN OPTION
70 PPSSCC OSD 248 NONE
71 PPSSCC USAF 1.9% NONE

| SOURCE: | GAIN | MAINT | S&I | LOSS | FIXED | FORCE | RETMT | EW TOTRET | TOTAL |
|--------------|------|-------|-----|------|-------|-------|-------|-----------|-------|
| ACOL B | 262 | 2612 | 120 | 40 | 0 | 3034 | 1075 | 1187 | 4221 |
| DMSH(ACOL B) | 386 | 2608 | 109 | 50 | 0 | 3153 | 1208 | 0 | 4361 |
| DMSH(ACOL B) | 344 | 2766 | 109 | 45 | 0 | 3264 | 1367 | 177 | 4808 |
| DMSH(ACOL B) | 365 | 2689 | 109 | 48 | 0 | 3211 | 1357 | 0 | 4568 |
| DMSH(ACOL B) | 340 | 2788 | 109 | 44 | 0 | 3281 | 1515 | 126 | 4922 |
| DMSH(ACOL B) | 373 | 2656 | 109 | 48 | 0 | 3186 | 1284 | 0 | 4470 |
| DMSH(ACOL B) | 345 | 2766 | 109 | 45 | 0 | 3265 | 1419 | 125 | 4809 |
| DMSH(ACOL B) | 374 | 2653 | 109 | 49 | 0 | 3185 | 1159 | 0 | 4344 |
| DMSH(ACOL B) | 347 | 2758 | 109 | 45 | 0 | 3259 | 1341 | 115 | 4715 |
| ACOL A | 275 | 2577 | 90 | 42 | 0 | 2984 | 973 | 0 | 3957 |
| ACOL A | 269 | 2607 | 91 | 41 | 0 | 3008 | 1356 | 0 | 4364 |
| ACOL A | 274 | 2587 | 91 | 41 | 0 | 2993 | 1279 | 0 | 4272 |
| ACOL A | 297 | 2468 | 90 | 45 | 0 | 2900 | 1014 | 0 | 3914 |
| ACOL A | 297 | 2490 | 89 | 45 | 0 | 2921 | 969 | 0 | 3890 |
| ACOL A | 300 | 2498 | 89 | 45 | 0 | 2932 | 916 | 0 | 3848 |
| ACOL A | 336 | 2358 | 87 | 51 | 0 | 2832 | 593 | 0 | 3425 |
| ACOL A | 280 | 2550 | 119 | 42 | 0 | 2991 | 1151 | 0 | 4142 |
| ACOL A | 285 | 2532 | 119 | 43 | 0 | 2979 | 1107 | 0 | 4086 |
| ACOL A | 262 | 2610 | 120 | 40 | 0 | 3632 | 1271 | 91 | 4394 |
| ACOL A | 310 | 2418 | 89 | 47 | 0 | 2864 | 308 | 0 | 3172 |
| ACOL A | 339 | 2334 | 87 | 51 | 0 | 2811 | 240 | 0 | 3051 |

L-B-77
ATCH 4

SERVICE: ARMY COMMUNITY: OFF

REF: RETIREMENT REALLOCATION
OPTION:

2 TERM PAY
3 HIGH 3
4 DEC 10%
5 DEC 20%
6 DEC 30%
7 DEC 40%
8 DEC 50%
9 DEC 60%
10 DEC 70%
11 DEC 80%
12 1% PENALTY
13 1% PEN
14 2% PEN
15 3% PEN
16 4% PEN
17 5% PEN
18 6% PEN
19 7% PEN
20 8% PEN
21 9% PEN
22 10% PEN
23 COLA 30/90%
24 COLA 30/75%
25 COLA 30/60%
26 COLA 30/50%
27 COLA 30/40%
28 COLA 30/30%
29 COLA 30/20%
30 COLA 30/10%
31 COLA 30/0%
32 COLA 62/50%
33 COLA 62/50%
34 COLA 62/50%
35 COLA 62/50%
36 COLA 62/50%
37 COLA 62/50%
38 COLA 62/50%
39 COLA 62/50%
40 COLA 62/50%
41 COLA 62/50%
42 COLA 62/50%
43 COLA 62/50%
44 COLA 62/50%
45 COLA 62/50%
46 COLA 62/50%
47 COLA 62/50%
48 COLA 62/50%
49 COLA 62/50%
50 COLA 62/50%

L-B-78
ATCH 4

\$ DELTAS FROM CASE 2

| SOURCE: | GAIN | MAINT | S&I | LOSS | FIXED | FORCE | RETH | EV | TOTRET | TOTAL |
|----------|------|-------|-----|------|-------|-------|------|-----|--------|-------|
| ACOL A/B | 266 | 2594 | 120 | 40 | 0 | 3020 | 1487 | 0 | 1407 | 4507 |
| ACOL A | 3 | -5 | -29 | 1 | 0 | -30 | -59 | 0 | -59 | -89 |
| ACOL A | 13 | -42 | -30 | 2 | 0 | -57 | -253 | 0 | -253 | -310 |
| ACOL A | 24 | -79 | -30 | 4 | 0 | -81 | -441 | 0 | -441 | -522 |
| ACOL A | -2 | 5 | -29 | 0 | 0 | -26 | -327 | 113 | -214 | -240 |
| ACOL A | 35 | -119 | -31 | 6 | 0 | -109 | -625 | 0 | -625 | -734 |
| ACOL A | 6 | -49 | -29 | 1 | 0 | -62 | -484 | 124 | -360 | -422 |
| ACOL A | -7 | 23 | -28 | -1 | 0 | -13 | -462 | 171 | -291 | -304 |
| ACOL A | 47 | -159 | -32 | 7 | 0 | -137 | -799 | 0 | -799 | -936 |
| ACOL A | 59 | -197 | -32 | 9 | 0 | -161 | -959 | 0 | -959 | -1120 |
| ACOL A | 8 | -15 | -29 | -1 | 0 | -37 | -167 | 0 | -167 | -204 |
| ACOL A | -3 | 16 | -29 | 3 | 0 | -19 | -101 | 52 | -49 | -68 |
| ACOL A | 11 | -24 | -30 | 2 | 0 | -41 | -259 | 0 | -259 | -300 |
| ACOL A | -7 | 31 | -29 | -1 | 0 | -6 | -156 | 87 | -69 | -75 |
| ACOL A | 14 | -35 | -30 | 3 | 0 | -48 | -340 | 0 | -340 | -388 |
| ACOL A | -11 | 48 | -28 | -1 | 0 | 8 | -199 | 122 | -77 | -69 |
| ACOL A | 17 | -50 | -30 | 3 | 0 | -60 | -512 | 0 | -512 | -572 |
| ACOL A | -16 | 67 | -28 | -2 | 0 | 21 | -237 | 157 | -80 | -59 |
| ACOL A | 22 | -72 | -30 | 0 | 0 | -80 | -469 | 0 | -469 | -549 |
| ACOL A | 26 | -96 | -30 | 0 | 0 | -100 | -512 | 0 | -512 | -612 |
| ACOL A | -26 | 104 | -28 | -4 | 0 | 46 | -292 | 229 | -63 | -17 |
| ACOL A | 5 | -10 | -29 | 1 | 0 | -33 | -119 | 0 | -119 | -152 |
| ACOL A | 8 | -17 | -29 | 2 | 0 | -36 | -204 | 0 | -204 | -240 |
| ACOL A | 9 | -20 | -30 | 2 | 0 | -39 | -246 | 0 | -246 | -285 |
| ACOL A | 11 | -28 | -30 | 2 | 0 | -45 | -328 | 0 | -328 | -373 |
| ACOL A | 16 | -34 | -30 | 3 | 0 | -45 | -405 | 0 | -405 | -450 |
| ACOL A | 16 | -48 | -30 | 3 | 0 | -59 | -538 | 0 | -538 | -597 |
| ACOL A | 7 | -18 | -29 | 1 | 0 | -39 | -215 | 0 | -215 | -254 |
| ACOL A | 13 | -38 | -30 | 2 | 0 | -53 | -353 | 0 | -353 | -406 |
| ACOL A | 16 | -48 | -30 | 3 | 0 | -59 | -387 | 0 | -387 | -446 |
| ACOL A | 22 | -68 | -30 | 4 | 0 | -72 | -526 | 0 | -526 | -598 |
| ACOL A | -6 | 27 | -29 | -1 | 0 | -9 | -397 | 120 | -277 | -286 |
| ACOL A | 27 | -88 | -30 | 4 | 0 | -87 | -660 | 0 | -660 | -747 |
| ACOL A | 37 | -123 | -31 | 6 | 0 | -111 | -839 | 0 | -839 | -950 |
| ACOL A | 15 | -47 | -1 | 3 | 0 | -30 | -387 | 0 | -387 | -417 |
| ACOL A | 25 | -82 | -2 | 4 | 0 | -55 | -627 | 0 | -627 | -682 |
| ACOL A | 34 | -113 | -2 | 5 | 0 | -76 | -806 | 0 | -806 | -882 |
| ACOL A | 41 | -140 | -3 | 7 | 0 | -95 | -939 | 0 | -939 | -1034 |
| ACOL A | 23 | -71 | -30 | 4 | 0 | -74 | -548 | 0 | -548 | -622 |
| ACOL A | -4 | 18 | -29 | 0 | 0 | -15 | -451 | 111 | -340 | -355 |
| ACOL A | 111 | 47 | -11 | 4 | 0 | 151 | -349 | 0 | -349 | -198 |
| ACOL B | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ACOL B | 35 | -118 | -2 | 6 | 0 | -79 | -624 | 0 | -624 | -703 |
| ACOL B | -8 | 23 | 1 | -1 | 0 | 15 | -459 | 171 | -288 | -273 |
| ACOL B | 13 | -35 | -1 | 2 | 0 | -21 | -334 | 0 | -334 | -355 |
| ACOL B | -12 | 49 | 1 | -1 | 0 | 37 | -193 | 122 | -71 | -34 |
| ACOL B | 21 | -68 | -2 | 4 | 0 | -45 | -524 | 0 | -524 | -569 |
| ACOL B | -7 | 27 | 0 | -1 | 0 | 19 | -394 | 120 | -274 | -255 |
| ACOL B | 22 | -70 | -2 | 4 | 0 | -46 | -544 | 0 | -544 | -590 |

SERVICE: ARMY COMMUNITY: OFF

RETIREMENT REALLOCATION
REF: OPTION: OPTION:

51 COLA 62/75% + 3% PEN 200(0)/300(E)--0--0
52 DEC 30% (1.75 MULT) NONE
53 DEC 30% (1.75 MULT) 210-60-100
54 3% PEN NONE
55 3% PEN 210--0--0
56 COLA 62/50% NONE
57 COLA 62/50% 160--40--50
58 COLA 62/75% + 3% PEN 200(0)/300(E)--0--0
59 COLA 62/75% + 3% PEN 200(0)/300(E)--0--0
60 SS OFFSET=1.25%/YR NONE
61 VEST 22,BEFORE SHIFT NONE
62 VEST 24,BEFORE SHIFT NONE
63 VEST 30,BEFORE SHIFT NONE
64 VEST 22,AFTER SHIFT NONE
65 VEST 24,AFTER SHIFT NONE
66 VEST 30,AFTER SHIFT NONE
67 RMA NONE
68 USRBA W/O LOAN NONE
69 USRBA WITH LOAN LOAN OPTION
70 PPSSCC OSD 2P8 NONE
71 PPSSCC USAF 1.9% NONE

| SOURCE: | GAIN | MAINT | S&I | LOSS | FIXED | FORCE | RETM | EW TOTRET | TOTAL |
|--------------|------|-------|-----|------|-------|-------|-------|-----------|-------|
| ACOL B | -4 | 18 | 0 | 0 | 0 | 14 | -412 | 112 | -300 |
| DHSM(ACOL B) | 120 | 14 | -11 | 10 | 0 | 133 | -279 | 0 | -279 |
| DHSM(ACOL B) | 78 | 172 | -11 | 5 | 0 | 244 | -120 | 177 | -146 |
| DHSM(ACOL B) | 99 | 95 | -11 | 8 | 0 | 191 | -130 | 0 | 57 |
| DHSM(ACOL B) | 74 | 194 | -11 | 8 | 0 | 261 | -203 | 0 | -130 |
| DHSM(ACOL B) | 107 | 62 | -11 | 8 | 0 | 166 | -203 | 126 | 154 |
| DHSM(ACOL B) | 79 | 172 | -11 | 5 | 0 | 245 | -68 | 0 | -37 |
| DHSM(ACOL B) | 108 | 59 | -11 | 9 | 0 | 165 | -328 | 125 | 57 |
| DHSM(ACOL B) | 81 | 164 | -11 | 5 | 0 | 239 | -146 | 0 | -328 |
| ACOL A | 9 | -17 | -29 | 2 | 0 | -36 | -514 | 115 | -31 |
| ACOL A | 3 | 13 | -29 | 1 | 0 | -12 | -131 | 0 | -514 |
| ACOL A | 8 | -7 | -29 | 1 | 0 | -27 | -208 | 0 | -131 |
| ACOL A | 31 | -126 | -30 | 5 | 0 | -120 | -473 | 0 | -208 |
| ACOL A | 31 | -104 | -31 | 5 | 0 | -99 | -518 | 0 | -473 |
| ACOL A | 34 | -96 | -31 | 5 | 0 | -88 | -571 | 0 | -518 |
| ACOL A | 70 | -236 | -33 | 11 | 0 | -188 | -894 | 0 | -571 |
| ACOL A | 14 | -44 | -1 | 2 | 0 | -29 | -336 | 0 | -894 |
| ACOL A | 19 | -62 | -1 | 3 | 0 | -41 | -380 | 0 | -336 |
| ACOL A | -4 | 16 | 0 | 0 | 0 | 12 | -216 | 91 | -380 |
| ACOL A | 84 | -176 | -31 | 7 | 0 | -156 | -1179 | 0 | -421 |
| ACOL A | 73 | -260 | -33 | 11 | 0 | -209 | -1247 | 0 | -1179 |
| ACOL A | | | | | | | | 0 | -1247 |

L-B-79
ATCH 4

SERVICE: ARMY COMMUNITY: OFF

% DELTAS FROM CASE 2

REF: OPTION: RETIREMENT REALLOCATION OPTION:

| | SOURCE: | GAIN | MAINT | S&I | LOSS | FIXED | FORCE | RETMT | EW | TOTREI | TOTAL |
|----|----------------------|------|-------|-----|------|-------|-------|-------|-------|--------|-------|
| 2 | TERM PAY | 266 | 2594 | 120 | 40 | 0 | 3020 | 1487 | 0 | 1487 | 4507 |
| 3 | HIGH 3 | 1 | 0 | -24 | 3 | 0 | -1 | -4 | 0 | -4 | -2 |
| 4 | DEC 10% | 5 | -2 | -25 | 5 | 0 | -2 | -17 | 0 | -17 | -7 |
| 5 | DEC 20% | 9 | -3 | -25 | 10 | 0 | -3 | -30 | 0 | -30 | -12 |
| 6 | DEC 30% | -1 | 0 | -24 | 0 | 0 | -1 | -22 | ***** | -14 | -5 |
| 7 | DEC 30% + 3% PEN | 13 | -5 | -26 | 15 | 0 | -4 | -42 | 0 | -42 | -16 |
| 8 | DEC 30% + 3% PEN | 2 | -2 | -24 | 3 | 0 | -2 | -33 | ***** | -24 | -9 |
| 9 | DEC 30% + 3% PEN | -3 | 1 | -23 | -3 | 0 | 0 | -31 | ***** | -20 | -7 |
| 10 | DEC 40% | 18 | -6 | -27 | 18 | 0 | -5 | -54 | 0 | -54 | -21 |
| 11 | DEC 50% | 22 | -8 | -27 | 23 | 0 | -5 | -64 | 0 | -64 | -25 |
| 12 | 1% PENALTY | 3 | 1 | -24 | -3 | 0 | -1 | -17 | ***** | -17 | -2 |
| 13 | 1% PEN | -1 | 1 | -24 | -8 | 0 | -1 | -17 | ***** | -3 | -2 |
| 14 | 2% PEN | 4 | -1 | -25 | 5 | 0 | -1 | -17 | 0 | -17 | -7 |
| 15 | 3% PEN | -3 | 1 | -24 | -3 | 0 | 0 | -10 | ***** | -5 | -2 |
| 16 | 3% PEN | 5 | -1 | -25 | 8 | 0 | -2 | -23 | 0 | -23 | -9 |
| 17 | 3% PEN | -4 | 2 | -23 | -3 | 0 | 0 | -13 | ***** | -5 | -2 |
| 18 | 4% PEN | 6 | -2 | -25 | -8 | 0 | -2 | -34 | 0 | -34 | -13 |
| 19 | 4% PEN | -6 | 3 | -23 | -5 | 0 | 1 | -16 | ***** | -5 | -1 |
| 20 | 5% PEN | 8 | -3 | -25 | 0 | 0 | -3 | -32 | 0 | -32 | -12 |
| 21 | 6% PEN | 10 | -4 | -25 | 0 | 0 | -3 | -34 | 0 | -34 | -14 |
| 22 | 6% PEN | -10 | 4 | -23 | -10 | 0 | 2 | -20 | ***** | -4 | 0 |
| 23 | COLA 30/90% | 23 | 0 | -24 | 3 | 0 | -1 | -8 | 0 | -8 | -3 |
| 24 | COLA 30/75% | 3 | -1 | -24 | 5 | 0 | -1 | -14 | 0 | -14 | -5 |
| 25 | COLA 30/67% | 3 | -1 | -25 | 5 | 0 | -1 | -17 | 0 | -17 | -6 |
| 26 | COLA 30/50% | 4 | -1 | -25 | 5 | 0 | -1 | -22 | 0 | -22 | -8 |
| 27 | COLA 30/33% | 6 | -1 | -25 | 8 | 0 | -1 | -27 | 0 | -27 | -10 |
| 28 | COLA 30/0% | 3 | -1 | -24 | 3 | 0 | -1 | -36 | 0 | -36 | -13 |
| 29 | COLA 62/90% | 5 | -1 | -25 | 5 | 0 | -2 | -24 | 0 | -24 | -9 |
| 30 | COLA 62/75% | 6 | -2 | -25 | 8 | 0 | -2 | -26 | 0 | -26 | -10 |
| 31 | COLA 62/67% | 8 | -3 | -25 | 10 | 0 | -2 | -35 | 0 | -35 | -13 |
| 32 | COLA 62/50% | -2 | 1 | -24 | -3 | 0 | 0 | -27 | ***** | -19 | -6 |
| 33 | COLA 62/33% | 10 | -3 | -25 | 10 | 0 | -3 | -44 | 0 | -44 | -17 |
| 34 | COLA 62/0% | 14 | -5 | -26 | 15 | 0 | -4 | -56 | 0 | -56 | -21 |
| 35 | COLA LIFE/75% | 6 | -2 | -1 | 8 | 0 | -1 | -42 | 0 | -42 | -9 |
| 36 | COLA LIFE/50% | 9 | -3 | -2 | 10 | 0 | -2 | -46 | 0 | -46 | -15 |
| 37 | COLA LIFE/25% | 13 | -4 | -2 | 13 | 0 | -3 | -54 | 0 | -54 | -20 |
| 38 | COLA LIFE/0% | 15 | -5 | -3 | 18 | 0 | -3 | -63 | 0 | -63 | -23 |
| 39 | COLA 62/75% + 3% PEN | 9 | -3 | -25 | 10 | 0 | -2 | -37 | 0 | -37 | -14 |
| 40 | COLA 62/75% + 3% PEN | -2 | 1 | -24 | 0 | 0 | 0 | -30 | ***** | -23 | -8 |
| 41 | COLA 62/75% + 3% PEN | 42 | 2 | -9 | 10 | 0 | 5 | -23 | 0 | -23 | -4 |
| 42 | HIGH 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 43 | DEC 30% (1.75 MULT) | 13 | -5 | -2 | 15 | 0 | -3 | -42 | 0 | -42 | -16 |
| 44 | DEC 30% (1.75 MULT) | -3 | 1 | -1 | -3 | 0 | 0 | -31 | ***** | -19 | -6 |
| 45 | 3% PEN | 5 | -1 | -1 | 5 | 0 | -1 | -22 | 0 | -22 | -8 |
| 46 | 3% PEN | -5 | 2 | -2 | -3 | 0 | 1 | -13 | ***** | -5 | -1 |
| 47 | COLA 62/50% | 8 | -3 | -2 | 10 | 0 | -1 | -35 | 0 | -35 | -13 |
| 48 | COLA 62/50% | -3 | 1 | 0 | -3 | 0 | 1 | -26 | ***** | -18 | -6 |
| 49 | COLA 62/75% + 3% PEN | 8 | -3 | -2 | 10 | 0 | -2 | -37 | 0 | -37 | -13 |
| 50 | COLA 62/75% + 3% PEN | 8 | -3 | -2 | 10 | 0 | -2 | -37 | 0 | -37 | -13 |

L-18-80
ATCH 4

% DELTAS FROM CASE 2

SERVICE: ARMY COMMUNITY: OFF

RETIREMENT REALLOCATION
REF: OPTION: OPTION:

51 COLA 62/75% + 3% PEN 200(0)/300(E)--0--0
52 DEC 30% (1.75 MULT) NONE
53 DEC 30% (1.75 MULT) 210-60-100
54 3% PEN NONE
55 3% PEN 210--0--0
56 COLA 62/50% NONE
57 COLA 62/50% 160--40--50
58 COLA 62/75% + 3% PEN 200(0)/300(E)--0--0
59 COLA 62/75% + 3% PEN 200(0)/300(E)--0--0
60 SS OFFSET=1.25%/YR NONE
61 VEST 22,BEFORE SHIFT NONE
62 VEST 24,BEFORE SHIFT NONE
63 VEST 30,BEFORE SHIFT NONE
64 VEST 22,AFTER SHIFT NONE
65 VEST 24,AFTER SHIFT NONE
66 VEST 30,AFTER SHIFT NONE
67 RMA NONE
68 USRBA W/O LOAN NONE
69 USRBA WITH LOAN LOAN OPTION
70 PPSSCC OSD 24B NONE
71 PPSSCC USAF 1.9% NONE

| SOURCE: | GAIN | MAINT | S&I | LOSS | FIXED | FORCE | REINT | EW | TOTRET | TOTAL |
|--------------|------|-------|-----|------|-------|-------|-------|-------|--------|-------|
| ACOL B | -2 | 1 | 0 | 0 | 0 | 0 | -28 | ***** | -20 | -6 |
| DMSM(ACOL B) | 45 | 1 | -9 | 25 | 0 | 4 | -19 | 0 | -19 | -3 |
| DMSM(ACOL B) | 29 | 7 | -9 | 13 | 0 | 8 | -8 | ***** | 4 | 7 |
| DMSM(ACOL B) | 37 | 4 | -9 | 20 | 0 | 6 | -9 | 0 | -9 | 1 |
| DMSM(ACOL B) | 28 | 7 | -9 | 10 | 0 | 9 | 2 | ***** | 10 | 9 |
| DMSM(ACOL B) | 40 | 2 | -9 | 20 | 0 | 5 | -14 | 0 | -14 | -1 |
| DMSM(ACOL B) | 30 | 7 | -9 | 13 | 0 | 8 | -5 | ***** | 4 | 7 |
| DMSM(ACOL B) | 41 | 2 | -9 | 23 | 0 | 5 | -22 | 0 | -22 | -4 |
| DMSM(ACOL B) | 30 | 6 | -9 | 13 | 0 | 8 | -10 | ***** | -2 | 5 |
| ACOL A | 3 | -1 | -25 | 5 | 0 | -1 | -35 | 0 | -35 | -12 |
| ACOL A | 1 | 1 | -24 | 3 | 0 | 0 | -9 | 0 | -9 | -3 |
| ACOL A | 3 | 0 | -24 | 3 | 0 | -1 | -14 | 0 | -14 | -5 |
| ACOL A | 12 | -5 | -25 | 13 | 0 | 0 | -32 | 0 | -32 | -13 |
| ACOL A | 12 | -4 | -26 | 13 | 0 | -3 | -35 | 0 | -35 | -14 |
| ACOL A | 13 | -4 | -26 | 13 | 0 | -3 | -38 | 0 | -38 | -15 |
| ACOL A | 26 | -9 | -28 | 28 | 0 | -6 | -60 | 0 | -60 | -24 |
| ACOL A | 5 | -2 | -1 | 5 | 0 | -1 | -23 | 0 | -23 | -8 |
| ACOL A | 7 | -2 | -1 | 8 | 0 | -1 | -26 | 0 | -26 | -9 |
| ACOL A | -2 | 1 | 0 | 0 | 0 | 0 | -15 | ***** | -8 | -3 |
| ACOL A | 17 | -7 | -26 | 18 | 0 | -5 | -79 | 0 | -79 | -30 |
| ACOL A | 27 | -10 | -28 | 28 | 0 | -7 | -84 | 0 | -84 | -32 |

L-B-81
ATCH 4

SERVICE: ARMY COMMUNITY: ENL

REF: OPT-ON: RETIR' AMT REALLOCATION OPTION:

| | | | |
|----|----------------------|---------------------|----------|
| 2 | TERM PAY | NONE | ACOL A/B |
| 3 | HIGH 3 | NONE | ACOL A |
| 4 | DEC 10% | NONE | ACOL A |
| 5 | DEC 20% | NONE | ACOL A |
| 6 | DEC 20% | 150--30--70 | ACOL A |
| 7 | DEC 30% | NONE | ACOL A |
| 8 | DEC 30% | 210--0--0 | ACOL A |
| 9 | DEC 30% | 210--60--100 | ACOL A |
| 10 | DEC 40% | NONE | ACOL A |
| 11 | DEC 50% | NONE | ACOL A |
| 12 | 1% PENALTY | NONE | ACOL A |
| 13 | 1% PEN | 90--0--0 | ACOL A |
| 14 | 2% PEN | NONE | ACOL A |
| 15 | 2% PEN | 150--0--0 | ACOL A |
| 16 | 3% PEN | NONE | ACOL A |
| 17 | 3% PEN | 210--0--0 | ACOL A |
| 18 | 4% PEN | NONE | ACOL A |
| 19 | 4% PEN | 270--0--0 | ACOL A |
| 20 | 5% PEN | NONE | ACOL A |
| 21 | 6% PEN | NONE | ACOL A |
| 22 | 6% PEN | 390--0--0 | ACOL A |
| 23 | COLA 30/90% | NONE | ACOL A |
| 24 | COLA 30/75% | NONE | ACOL A |
| 25 | COLA 30/67% | NONE | ACOL A |
| 26 | COLA 30/50% | NONE | ACOL A |
| 27 | COLA 30/33% | NONE | ACOL A |
| 28 | COLA 30/0% | NONE | ACOL A |
| 29 | COLA 62/90% | NONE | ACOL A |
| 30 | COLA 62/75% | NONE | ACOL A |
| 31 | COLA 62/67% | NONE | ACOL A |
| 32 | COLA 62/50% | NONE | ACOL A |
| 33 | COLA 62/50% | 160--40--50 | ACOL A |
| 34 | COLA 62/33% | NONE | ACOL A |
| 35 | COLA 62/0% | NONE | ACOL A |
| 36 | COLA LIFE/75% | NONE | ACOL A |
| 37 | COLA LIFE/50% | NONE | ACOL A |
| 38 | COLA LIFE/25% | NONE | ACOL A |
| 39 | COLA LIFE/0% | NONE | ACOL A |
| 40 | COLA 62/75% + 3% PEN | NONE | ACOL A |
| 41 | COLA 62/75% + 3% PEN | 200(0)/300(E)--0--0 | ACOL A |
| 42 | COLA 62/67% + 3% PEN | NONE | ACOL A |
| 43 | HIGH 3 | NONE | ACOL B |
| 44 | DEC 30% (1.75 MULT) | NONE | ACOL B |
| 45 | DEC 30% (1.75 MULT) | 210--60--100 | ACOL B |
| 46 | 3% PEN | NONE | ACOL B |
| 47 | 3% PEN | 210--0--0 | ACOL B |
| 48 | COLA 62/50% | NONE | ACOL B |
| 49 | COLA 62/50% | 160--40--50 | ACOL B |
| 50 | COLA 62/75% + 3% PEN | NONE | ACOL B |

COSTS IN \$ MILLIONS

| SOURCE: | GAIN | MAINT | S&I | LUSS | FIXED | FORCE | RETRT | EM TOTRET | TOTAL |
|----------|------|-------|-----|------|-------|-------|-------|-----------|-------|
| ACOL A/B | 884 | 9986 | 372 | 177 | 0 | 11419 | 3687 | 0 | 15106 |
| ACOL A | 894 | 9907 | 374 | 179 | 0 | 11354 | 3461 | 0 | 14815 |
| ACOL A | 918 | 9800 | 378 | 184 | 0 | 11280 | 2889 | 0 | 14169 |
| ACOL A | 942 | 9741 | 381 | 189 | 0 | 11213 | 2370 | 0 | 13583 |
| ACOL A | 885 | 9949 | 373 | 177 | 0 | 11394 | 2837 | 298 | 14519 |
| ACOL A | 963 | 9615 | 383 | 193 | 0 | 11154 | 1909 | 0 | 13063 |
| ACOL A | 895 | 9855 | 376 | 179 | 0 | 11305 | 2408 | 384 | 14097 |
| ACOL A | 881 | 9999 | 372 | 176 | 0 | 11428 | 2517 | 442 | 14387 |
| ACOL A | 978 | 9545 | 385 | 196 | 0 | 11104 | 1506 | 0 | 12610 |
| ACOL A | 992 | 9480 | 387 | 198 | 0 | 11057 | 1506 | 0 | 12205 |
| ACOL A | 913 | 9847 | 376 | 183 | 0 | 11319 | 3011 | 0 | 14330 |
| ACOL A | 883 | 9959 | 373 | 177 | 0 | 11392 | 3292 | 164 | 14848 |
| ACOL A | 933 | 9786 | 378 | 187 | 0 | 11284 | 2603 | 0 | 13887 |
| ACOL A | 893 | 9977 | 373 | 177 | 0 | 11409 | 3039 | 271 | 14719 |
| ACOL A | 943 | 9754 | 379 | 189 | 0 | 11265 | 2285 | 0 | 13550 |
| ACOL A | 879 | 10005 | 372 | 176 | 0 | 11432 | 2815 | 377 | 14624 |
| ACOL A | 945 | 9765 | 379 | 189 | 0 | 11278 | 2085 | 0 | 13363 |
| ACOL A | 866 | 10081 | 370 | 173 | 0 | 11490 | 2685 | 488 | 14663 |
| ACOL A | 944 | 9790 | 379 | 189 | 0 | 11302 | 1949 | 0 | 13251 |
| ACOL A | 941 | 9826 | 378 | 188 | 0 | 11333 | 1871 | 0 | 13204 |
| ACOL A | 829 | 10300 | 364 | 166 | 0 | 11659 | 2616 | 726 | 15001 |
| ACOL A | 901 | 9884 | 375 | 180 | 0 | 11340 | 3269 | 0 | 14609 |
| ACOL A | 911 | 9849 | 376 | 182 | 0 | 11318 | 3002 | 0 | 14320 |
| ACOL A | 916 | 9831 | 377 | 183 | 0 | 11307 | 2870 | 0 | 14177 |
| ACOL A | 926 | 9793 | 378 | 185 | 0 | 11282 | 2607 | 0 | 13889 |
| ACOL A | 936 | 9758 | 379 | 187 | 0 | 11260 | 2373 | 0 | 13633 |
| ACOL A | 948 | 9722 | 380 | 190 | 0 | 11240 | 2026 | 0 | 13266 |
| ACOL A | 905 | 9858 | 376 | 181 | 0 | 11320 | 3058 | 0 | 14378 |
| ACOL A | 921 | 9792 | 378 | 184 | 0 | 11275 | 2610 | 0 | 13885 |
| ACOL A | 929 | 9760 | 379 | 186 | 0 | 11254 | 2433 | 0 | 13687 |
| ACOL A | 944 | 9699 | 381 | 189 | 0 | 11213 | 2023 | 0 | 13236 |
| ACOL A | 883 | 9971 | 373 | 177 | 0 | 11404 | 2511 | 320 | 14235 |
| ACOL A | 957 | 9647 | 382 | 192 | 0 | 11178 | 1718 | 0 | 12896 |
| ACOL A | 972 | 9577 | 384 | 194 | 0 | 11127 | 1283 | 0 | 12410 |
| ACOL A | 924 | 9785 | 378 | 185 | 0 | 11272 | 2532 | 0 | 13804 |
| ACOL A | 948 | 9685 | 381 | 190 | 0 | 11204 | 1897 | 0 | 13101 |
| ACOL A | 967 | 9608 | 383 | 194 | 0 | 11152 | 1460 | 0 | 12612 |
| ACOL A | 982 | 9546 | 385 | 197 | 0 | 11110 | 1149 | 0 | 12259 |
| ACOL A | 960 | 9667 | 382 | 192 | 0 | 11201 | 1757 | 0 | 12958 |
| ACOL A | 871 | 10012 | 371 | 174 | 0 | 11428 | 2345 | 562 | 14335 |
| ACOL A | 1627 | 9579 | 165 | 193 | 0 | 11564 | 1819 | 0 | 13383 |
| ACOL B | 894 | 9916 | 374 | 179 | 0 | 11363 | 3466 | 0 | 14829 |
| ACOL B | 967 | 9605 | 384 | 194 | 0 | 11150 | 1892 | 0 | 13042 |
| ACOL B | 865 | 10052 | 370 | 173 | 0 | 11460 | 2582 | 455 | 14497 |
| ACOL B | 919 | 9846 | 377 | 184 | 0 | 11326 | 2430 | 0 | 13756 |
| ACOL B | 857 | 10091 | 369 | 172 | 0 | 11489 | 2947 | 389 | 14825 |
| ACOL B | 945 | 9700 | 381 | 189 | 0 | 11215 | 2042 | 0 | 13257 |
| ACOL B | 875 | 10001 | 372 | 175 | 0 | 11423 | 2546 | 325 | 14294 |
| ACOL B | 940 | 9745 | 380 | 188 | 0 | 11253 | 1867 | 0 | 13120 |

L-B-82
ATCH 4

SERVICE: ARMY COMMUNITY: ENL

REF: OPTION: RETIREMENT REALLOCATION
OPTION:

COSTS IN \$ MILLIONS

| REF | OPTION | RETIREMENT | REALLOCATION | SOURCE | GAIN | MAINT | S&I | LOSS | FIXED | FORCE | RETM | EW | TOTRET | TOTAL |
|-----|-----------------------|---------------------|--------------|--------|-------|-------|-----|------|-------|-------|------|------|--------|-------|
| 51 | COLA 62/75% + 3% PEN | 200(0)/300(E)--0--0 | ACOL B | 852 | 10087 | 369 | 170 | 0 | 11478 | 2478 | 575 | 3053 | 14531 | |
| 52 | DEC 30% (1.75 MULT) | NONE | DHSM(ACOL B) | 1631 | 9509 | 165 | 194 | 0 | 11499 | 2114 | 0 | 2114 | 15613 | |
| 53 | DEC 30% (1.75 MULT) | 210-60-100 | DHSM(ACOL B) | 1509 | 9953 | 165 | 177 | 0 | 11804 | 2626 | 451 | 3077 | 14881 | |
| 54 | 3% PEN | NONE | DHSM(ACOL B) | 1573 | 9745 | 164 | 186 | 0 | 11668 | 2467 | 0 | 2467 | 14135 | |
| 55 | 3% PEN | 210--0--0 | DHSM(ACOL B) | 1499 | 10000 | 165 | 176 | 0 | 11840 | 2873 | 390 | 3263 | 15103 | |
| 56 | COLA 62/50% | NONE | DHSM(ACOL B) | 1604 | 9603 | 165 | 190 | 0 | 11562 | 2087 | 0 | 2087 | 13649 | |
| 57 | COLA 62/75% + 3% PEN | 160--40--50 | DHSM(ACOL B) | 1520 | 9929 | 165 | 179 | 0 | 11793 | 2522 | 325 | 2847 | 14640 | |
| 58 | COLA 62/75% + 3% PEN | 200(0)/300(E)--0--0 | DHSM(ACOL B) | 1598 | 9633 | 165 | 190 | 0 | 11586 | 1850 | 0 | 1850 | 13436 | |
| 59 | SS OFFSET=1.25%/YR | NONE | DHSM(ACOL B) | 1493 | 9984 | 165 | 175 | 0 | 11817 | 2435 | 578 | 3013 | 14830 | |
| 60 | VEST 22, BEFORE SHIFT | NONE | ACOL A | 928 | 9805 | 378 | 486 | 0 | 11297 | 2686 | 0 | 2686 | 13983 | |
| 61 | VEST 24, BEFORE SHIFT | NONE | ACOL A | 892 | 10070 | 370 | 179 | 0 | 11511 | 3465 | 0 | 3405 | 14916 | |
| 62 | VEST 30, BEFORE SHIFT | NONE | ACOL A | 879 | 10268 | 365 | 176 | 0 | 11688 | 3539 | 0 | 3539 | 15227 | |
| 63 | VEST 22, AFTER SHIFT | NONE | ACOL A | 909 | 10173 | 370 | 182 | 0 | 11634 | 3109 | 0 | 3109 | 14743 | |
| 64 | VEST 24, AFTER SHIFT | NONE | ACOL A | 973 | 9560 | 385 | 195 | 0 | 11113 | 1779 | 0 | 1779 | 12892 | |
| 65 | VEST 30, AFTER SHIFT | NONE | ACOL A | 1013 | 9374 | 392 | 203 | 0 | 10982 | 1128 | 0 | 1128 | 12110 | |
| 66 | RMA | NONE | ACOL A | 1040 | 9262 | 395 | 208 | 0 | 10905 | 727 | 0 | 727 | 11632 | |
| 67 | USRBA W/O LC | NONE | ACOL A | 916 | 9832 | 377 | 183 | 0 | 11308 | 2706 | 0 | 2706 | 14014 | |
| 68 | USRBA WITH LC | NONE | ACOL A | 919 | 9822 | 377 | 184 | 0 | 11302 | 2806 | 0 | 2806 | 14108 | |
| 69 | PPSSCC OSD 248 | NONE | ACOL A | 875 | 10050 | 372 | 175 | 0 | 11422 | 3072 | 296 | 3368 | 14790 | |
| 70 | PPSSCC USAF | NONE | ACOL A | 980 | 9578 | 385 | 196 | 0 | 11139 | 678 | 0 | 678 | 11817 | |
| 71 | | NONE | ACOL A | 998 | 9493 | 387 | 200 | 0 | 11078 | 652 | 0 | 652 | 11730 | |

L-B-83
ATCH 4

SERVICE: ARMY COMMUNITY: ENL

\$ DELTAS FROM CASE 2

REF: RETIREMENT
OPTION: REALLOCATION

| | SOURCE: | GAIN | MAINT | S&I | LOSS | FIXED | FORCE | REMT | EW | TOTRET | TOTAL |
|----|-----------------------|------|-------|------|------|-------|-------|-------|-----|--------|-------|
| 2 | TERM PAY | 884 | 9986 | 372 | 177 | 0 | 11419 | 3687 | 0 | 3687 | 15106 |
| 3 | HIGH 3 | 10 | -79 | 2 | 2 | 0 | -65 | -226 | 0 | -226 | -291 |
| 4 | DEC 10% | 34 | -186 | 6 | 7 | 0 | -139 | -798 | 0 | -798 | -937 |
| 5 | DEC 20% | 58 | -285 | 9 | 12 | 0 | -206 | -1317 | 0 | -1317 | -1522 |
| 6 | DEC 30% | 1 | -37 | 1 | 0 | 0 | -35 | -850 | 298 | -552 | -587 |
| 7 | DEC 30% | 79 | -371 | 11 | 16 | 0 | -265 | -1778 | 0 | -1778 | -2043 |
| 8 | DEC 30% | 11 | -131 | 4 | 2 | 0 | -114 | -1279 | 384 | -895 | -1009 |
| 9 | DEC 30% | 3 | -13 | 0 | -1 | 0 | 9 | -1170 | 442 | -728 | -719 |
| 10 | DEC 40% | 94 | -441 | 13 | 19 | 0 | -315 | -2181 | 0 | -2181 | -2496 |
| 11 | DEC 50% | 108 | -506 | 15 | 21 | 0 | -362 | -2539 | 0 | -2539 | -2901 |
| 12 | 1% PENALTY | 29 | -139 | 4 | 6 | 0 | -100 | -676 | 0 | -676 | -776 |
| 13 | 1% PEN | -1 | -27 | 1 | 0 | 0 | -27 | -395 | 164 | -231 | -258 |
| 14 | 2% PEN | 49 | -200 | 6 | 10 | 0 | -135 | -1084 | 0 | -1084 | -1219 |
| 15 | 2% PEN | -2 | -9 | 1 | 0 | 0 | -10 | -648 | 271 | -377 | -387 |
| 16 | 3% PEN | 59 | -232 | 7 | 12 | 0 | -154 | -1402 | 0 | -1402 | -1556 |
| 17 | 3% PEN | -5 | 19 | 0 | -1 | 0 | 13 | -872 | 377 | -495 | -482 |
| 18 | 4% PEN | 61 | -221 | 7 | 12 | 0 | -141 | -1602 | 0 | -1602 | -1743 |
| 19 | 4% PEN | -18 | 95 | -2 | -4 | 0 | 71 | -1002 | 488 | -514 | -443 |
| 20 | 5% PEN | 60 | -196 | 7 | 12 | 0 | -117 | -1738 | 0 | -1738 | -1855 |
| 21 | 5% PEN | 57 | -160 | 6 | 11 | 0 | -86 | -1816 | 0 | -1816 | -1902 |
| 22 | 6% PEN | -55 | 314 | -8 | -11 | 0 | 240 | -1071 | 72 | -345 | -105 |
| 23 | COLA 30/90% | 17 | -102 | 3 | 3 | 0 | -79 | -418 | 0 | -418 | -497 |
| 24 | COLA 30/75% | 27 | -137 | 4 | 5 | 0 | -101 | -685 | 0 | -685 | -786 |
| 25 | COLA 30/67% | 32 | -155 | 5 | 6 | 0 | -112 | -817 | 0 | -817 | -925 |
| 26 | COLA 30/50% | 42 | -193 | 6 | 8 | 0 | -137 | -1080 | 0 | -1080 | -1217 |
| 27 | COLA 30/33% | 52 | -228 | 7 | 10 | 0 | -159 | -1314 | 0 | -1314 | -1473 |
| 28 | COLA 30/0% | 64 | -264 | 8 | 13 | 0 | -179 | -1661 | 0 | -1661 | -1840 |
| 29 | COLA 62/90% | 21 | -128 | 4 | 4 | 0 | -99 | -629 | 0 | -629 | -728 |
| 30 | COLA 62/75% | 37 | -194 | 6 | 7 | 0 | -144 | -1077 | 0 | -1077 | -1221 |
| 31 | COLA 62/67% | 45 | -226 | 7 | 9 | 0 | -165 | -1254 | 0 | -1254 | -1419 |
| 32 | COLA 62/50% | 60 | -287 | 9 | 12 | 0 | -206 | -1664 | 0 | -1664 | -1870 |
| 33 | COLA 62/33% | -1 | -15 | 1 | 0 | 0 | -15 | -1176 | 320 | -856 | -871 |
| 34 | COLA 62/0% | 73 | -339 | 10 | 15 | 0 | -241 | -1969 | 0 | -1969 | -2210 |
| 35 | COLA LIFE/75% | 88 | -409 | 12 | 17 | 0 | -292 | -2404 | 0 | -2404 | -2696 |
| 36 | COLA LIFE/50% | 40 | -201 | 6 | 8 | 0 | -147 | -1155 | 0 | -1155 | -1302 |
| 37 | COLA LIFE/25% | 64 | -301 | 9 | 13 | 0 | -215 | -1790 | 0 | -1790 | -2005 |
| 38 | COLA LIFE/0% | 83 | -378 | 11 | 17 | 0 | -267 | -2227 | 0 | -2227 | -2494 |
| 39 | COLA LIFE/0% + 3% PEN | 98 | -440 | 13 | 20 | 0 | -309 | -2538 | 0 | -2538 | -2847 |
| 40 | COLA 62/75% + 3% PEN | 76 | -319 | 10 | 15 | 0 | -218 | -1930 | 0 | -1930 | -2148 |
| 41 | COLA 62/75% + 3% PEN | -13 | 26 | -1 | -3 | 0 | 9 | -1342 | 562 | -780 | -771 |
| 42 | COLA 62/67% + 3% PEN | 743 | -407 | -207 | 16 | 0 | 145 | -1868 | 0 | -1868 | -1723 |
| 43 | HIGH 3 | 10 | -70 | 2 | 2 | 0 | -56 | -221 | 0 | -221 | -277 |
| 44 | DEC 30% (1.75 MULT) | 83 | -381 | 12 | 17 | 0 | -269 | -1795 | 0 | -1795 | -2064 |
| 45 | DEC 30% (1.75 MULT) | -19 | 66 | -2 | -4 | 0 | 41 | -1105 | 455 | -650 | -609 |
| 46 | 3% PEN | 35 | -140 | 5 | 7 | 0 | -93 | -1257 | 0 | -1257 | -1350 |
| 47 | 3% PEN | -27 | 105 | -3 | -5 | 0 | 70 | -740 | 389 | -351 | -281 |
| 48 | COLA 62/50% | 61 | -286 | 9 | 12 | 0 | -204 | -1645 | 0 | -1645 | -1849 |
| 49 | COLA 62/50% | -9 | 15 | 0 | -2 | 0 | 4 | -1141 | 325 | -816 | -812 |
| 50 | COLA 62/75% + 3% PEN | 56 | -241 | 8 | 11 | 0 | -166 | -1820 | 0 | -1820 | -1986 |

L-B-84
ATCH 4

\$ DELTAS FROM CASE 2

SERVICE: ARMY COMMUNITY: ENL

RETIREMENT REALLOCATION
REF: OPTION: OPTION:

| REF: | OPTION: | SOURCE: | GAIN | MAINT | S&I | LOSS | FIXED | FORCE | RETMT | EW TOTRET | TOTAL | |
|------|--|--------------|------|-------|------|------|-------|-------|-------|-----------|-------|-------|
| 51 | COLA 62/75% + 3% PEN 200(0) 100(E)--0--0 | ACOL B | -32 | 101 | -3 | -7 | 0 | 59 | -1209 | 575 | -634 | -575 |
| 52 | DEC 30% (1.75 MULT) | DHSM(ACOL B) | 747 | -477 | -207 | 17 | 0 | 80 | -1573 | 0 | -1573 | -1493 |
| 53 | DEC 30% (1.75 MULT) | DHSM(ACOL B) | 625 | -33 | -207 | 0 | 0 | 385 | -1061 | 451 | -610 | -225 |
| 54 | 3% PEN | DHSM(ACOL B) | 689 | -241 | -208 | 9 | 0 | 249 | -1220 | 0 | -1220 | -971 |
| 55 | 3% PEN | DHSM(ACOL B) | 615 | 14 | -207 | -1 | 0 | 421 | -814 | 390 | -424 | -3 |
| 56 | COLA 62/50% | DHSM(ACOL B) | 720 | -383 | -207 | 13 | 0 | 143 | -1600 | 0 | -1600 | -1457 |
| 57 | COLA 62/50% | DHSM(ACOL B) | 636 | -57 | -207 | 2 | 0 | 374 | -1165 | 325 | -840 | -466 |
| 58 | COLA 62/75% + 3% PEN 160--40--50 | DHSM(ACOL B) | 714 | -353 | -207 | 13 | 0 | 167 | -1837 | 0 | -1837 | -1670 |
| 59 | COLA 62/75% + 3% PEN 200(0)/300(E)--0--0 | DHSM(ACOL B) | 609 | -2 | -207 | -2 | 0 | 398 | -1252 | 578 | -674 | -276 |
| 60 | SS OFFSET=1.25%/YR | ACOL A | 44 | -181 | 6 | 9 | 0 | -122 | -1001 | 0 | -1001 | -1123 |
| 61 | VEST 22, BEFORE SHIFT | ACOL A | 8 | 84 | -2 | 2 | 0 | 92 | -282 | 0 | -282 | -190 |
| 62 | VEST 24, BEFORE SHIFT | ACOL A | -5 | 282 | -7 | -1 | 0 | 269 | -148 | 0 | -148 | 121 |
| 63 | VEST 30, BEFORE SHIFT | ACOL A | 25 | 187 | -2 | 5 | 0 | 215 | -578 | 0 | -578 | -363 |
| 64 | VEST 22, AFTER SHIFT | ACOL A | 89 | -426 | 13 | 18 | 0 | -306 | -1908 | 0 | -1908 | -2214 |
| 65 | VEST 24, AFTER SHIFT | ACOL A | 29 | -612 | 20 | 26 | 0 | -437 | -2559 | 0 | -2559 | -2996 |
| 66 | VEST 30, AFTER SHIFT | ACOL A | 156 | -724 | 23 | 31 | 0 | -514 | -2960 | 0 | -2960 | -3474 |
| 67 | RMA | ACOL A | 32 | -154 | 5 | 6 | 0 | -111 | -981 | 0 | -981 | -1092 |
| 68 | USRBA W/O LOAN | ACOL A | 35 | -164 | 5 | 7 | 0 | -117 | -881 | 0 | -881 | -998 |
| 69 | USRBA WITH LOAN | ACOL A | -9 | 14 | 0 | -2 | 0 | 3 | -615 | 296 | -319 | -316 |
| 70 | PPSSCC OSD 24B | ACOL A | 96 | -403 | 13 | 19 | 0 | -280 | -3009 | 0 | -3009 | -3289 |
| 71 | PPSSCC USAF 1.9% | ACOL A | 114 | -493 | 15 | 23 | 0 | -341 | -3035 | 0 | -3035 | -3376 |

L-B-85
ATCH 4

SERVICE: ARMY COMMUNITY: ENL

REF: RETIREMENT REALLOCATION OPTION:

2 TERM PAY
3 HIGH 3
4 DEC 10%
5 DEC 20%
6 DEC 20%
7 DEC 30%
8 DEC 30%
9 DEC 30%
10 DEC 40%
11 DEC 50%
12 1% PENALTY
13 1% PEN
14 2% PEN
15 2% PEN
16 3% PEN
17 3% PEN
18 4% PEN
19 4% PEN
20 5% PEN
21 6% PEN
22 6% PEN
23 COLA 30/90%
24 COLA 30/75%
25 COLA 30/67%
26 COLA 30/50%
27 COLA 30/33%
28 COLA 30/0%
29 COLA 62/90%
30 COLA 62/75%
31 COLA 62/67%
32 COLA 62/50%
33 COLA 62/33%
34 COLA 62/0%
35 COLA 62/0%
36 COLA LIFE/75%
37 COLA LIFE/50%
38 COLA LIFE/25%
39 COLA LIFE/0%
40 COLA 62/75% + 3% PEN
41 COLA 62/75% + 3% PEN
42 COLA 62/67% + 3% PEN
43 HIGH 3
44 DEC 30% (1.75 MULT)
45 DEC 30% (1.75 MULT)
46 3% PEN
47 3% PEN
48 COLA 62/50%
49 COLA 62/50%
50 COLA 62/75% + 3% PEN

L-B-86
ATCH 4

% DELTAS FROM CASE 2

| SOURCE: | GAIN | MAINT | S&I | LOSS | FIXED | FORCE | REINT | EW | TOIRET | TOTAL |
|----------|------|-------|-----|------|-------|-------|-------|----|--------|-------|
| ACOL A/B | 884 | 9986 | 372 | 177 | 0 | 11419 | 3687 | 0 | 3687 | 15106 |
| ACOL A | 1 | -1 | 1 | 1 | 0 | -1 | -6 | 0 | -6 | -2 |
| ACOL A | 4 | -2 | 2 | 4 | 0 | -1 | -22 | 0 | -22 | -6 |
| ACOL A | 7 | -3 | 2 | 7 | 0 | -2 | -36 | 0 | -36 | -10 |
| ACOL A | 0 | 0 | 0 | 0 | 0 | 0 | -23 | 0 | -23 | -4 |
| ACOL A | 9 | -4 | 3 | 9 | 0 | -2 | -48 | 0 | -48 | -14 |
| ACOL A | 1 | -1 | 1 | 1 | 0 | -1 | -35 | 0 | -35 | -7 |
| ACOL A | 0 | 0 | 0 | -1 | 0 | 0 | -32 | 0 | -32 | -5 |
| ACOL A | 11 | -5 | 3 | 12 | 0 | -3 | -59 | 0 | -59 | -17 |
| ACOL A | 12 | -4 | 4 | 12 | 0 | -3 | -69 | 0 | -69 | -19 |
| ACOL A | 3 | -1 | 1 | 3 | 0 | -1 | -18 | 0 | -18 | -5 |
| ACOL A | 0 | 0 | 0 | 0 | 0 | 0 | -11 | 0 | -11 | -2 |
| ACOL A | 6 | -2 | 2 | 6 | 0 | -1 | -29 | 0 | -29 | -8 |
| ACOL A | 0 | 0 | 0 | 0 | 0 | 0 | -18 | 0 | -18 | -3 |
| ACOL A | 7 | -2 | 2 | 7 | 0 | -1 | -38 | 0 | -38 | -10 |
| ACOL A | -1 | 0 | 0 | -1 | 0 | 0 | -24 | 0 | -24 | -3 |
| ACOL A | 7 | -2 | 2 | 7 | 0 | -1 | -43 | 0 | -43 | -12 |
| ACOL A | -2 | 1 | -1 | -2 | 0 | 1 | -27 | 0 | -27 | -3 |
| ACOL A | 7 | -2 | 2 | 7 | 0 | -1 | -47 | 0 | -47 | -12 |
| ACOL A | 6 | -2 | 2 | 6 | 0 | -1 | -49 | 0 | -49 | -13 |
| ACOL A | -6 | 3 | -2 | -6 | 0 | 2 | -29 | 0 | -29 | -9 |
| ACOL A | 2 | -1 | 1 | 2 | 0 | -1 | -11 | 0 | -11 | -3 |
| ACOL A | 3 | -1 | 1 | 3 | 0 | -1 | -19 | 0 | -19 | -5 |
| ACOL A | 4 | -2 | 2 | 4 | 0 | -1 | -22 | 0 | -22 | -6 |
| ACOL A | 5 | -2 | 2 | 5 | 0 | -1 | -29 | 0 | -29 | -8 |
| ACOL A | 6 | -2 | 2 | 6 | 0 | -1 | -36 | 0 | -36 | -10 |
| ACOL A | 7 | -3 | 2 | 7 | 0 | -2 | -45 | 0 | -45 | -12 |
| ACOL A | 2 | -1 | 1 | 2 | 0 | -1 | -17 | 0 | -17 | -5 |
| ACOL A | 4 | -2 | 2 | 4 | 0 | -1 | -29 | 0 | -29 | -8 |
| ACOL A | 5 | -2 | 2 | 5 | 0 | -1 | -34 | 0 | -34 | -9 |
| ACOL A | 7 | -3 | 2 | 7 | 0 | -2 | -45 | 0 | -45 | -12 |
| ACOL A | 0 | 0 | 0 | 0 | 0 | 0 | -32 | 0 | -32 | -6 |
| ACOL A | 8 | -3 | 3 | 8 | 0 | -2 | -53 | 0 | -53 | -15 |
| ACOL A | 10 | -4 | 3 | 10 | 0 | -3 | -65 | 0 | -65 | -18 |
| ACOL A | 5 | -2 | 2 | 5 | 0 | -1 | -31 | 0 | -31 | -9 |
| ACOL A | 7 | -3 | 2 | 7 | 0 | -2 | -49 | 0 | -49 | -13 |
| ACOL A | 9 | -4 | 3 | 10 | 0 | -2 | -60 | 0 | -60 | -17 |
| ACOL A | 1 | -1 | 3 | 11 | 0 | -3 | -69 | 0 | -69 | -19 |
| ACOL A | 9 | -3 | 3 | 8 | 0 | -2 | -56 | 0 | -56 | -15 |
| ACOL A | -1 | 0 | -56 | -2 | 0 | 0 | -51 | 0 | -51 | -11 |
| ACOL A | 84 | -4 | 1 | 9 | 0 | 1 | -6 | 0 | -6 | -2 |
| ACOL B | 1 | -1 | 1 | 1 | 0 | 0 | -49 | 0 | -49 | -14 |
| ACOL B | 9 | -4 | 3 | 10 | 0 | -2 | -30 | 0 | -30 | -9 |
| ACOL B | -2 | 1 | -1 | -2 | 0 | 0 | -34 | 0 | -34 | -10 |
| ACOL B | 4 | -1 | 1 | 4 | 0 | -1 | -20 | 0 | -20 | -5 |
| ACOL B | -3 | 1 | -1 | -3 | 0 | 1 | -45 | 0 | -45 | -12 |
| ACOL B | 7 | -3 | 2 | 7 | 0 | -2 | -31 | 0 | -31 | -9 |
| ACOL B | -1 | 0 | 0 | -1 | 0 | 0 | -49 | 0 | -49 | -13 |

SERVICE: ARMY COMMUNITY: ENL

REF: RETIREMENT REALLOCATION OPTION:

51 COLA 62/75% + 3% PEN 200(0)/300(E)--0--0
 52 DEC 30% (1.75 MULT) NONE
 53 DEC 30% (1.75 MULT) 210-60-100
 54 3% PEN NONE
 55 3% PEN 210--0--0
 56 COLA 62/50% 160--40--50
 57 COLA 62/50% + 3% PEN NONE
 58 COLA 62/75% + 3% PEN 200(0)/300(E)--0--0
 59 COLA 62/75% + 3% PEN 200(0)/300(E)--0--0
 60 SS OFFSET=1.25%/YR NONE
 61 VEST 22,BEFORE SHIFT NONE
 62 VEST 24,BEFORE SHIFT NONE
 63 VEST 30,BEFORE SHIFT NONE
 64 VEST 22,AFTER SHIFT NONE
 65 VEST 24,AFTER SHIFT NONE
 66 VEST 30,AFTER SHIFT NONE
 67 RMA NONE
 68 USRBA W/O LOAN NONE
 69 USRBA WITH LOAN LOAN OPTION
 70 PPSSCC OSD 24B NONE
 71 PPSSCC USAF 1.9% NONE

% DELTAS FROM CASE 2

| SOURCE: | GAIN | MAINT | S&I | LOSS | FIXED | FORCE | REIMI | EM TOTRET | TOTAL |
|--------------|------|-------|-----|------|-------|-------|-------|-----------|-------|
| ACOL B | -4 | 1 | -1 | -4 | 0 | 1 | -33 | ***** | -17 |
| DMSM(ACOL B) | 85 | -5 | -56 | 10 | 0 | 1 | -43 | 0 | -43 |
| DMSM(ACOL B) | 71 | 0 | -56 | 0 | 0 | 3 | -29 | ***** | -17 |
| DMSM(ACOL B) | 78 | -2 | -56 | 5 | 0 | 2 | -33 | 0 | -33 |
| DMSM(ACOL B) | 70 | 0 | -56 | -1 | 0 | 4 | -22 | ***** | -11 |
| DMSM(ACOL B) | 81 | -4 | -56 | 7 | 0 | 1 | -43 | 0 | -43 |
| DMSM(ACOL B) | 72 | -1 | -56 | 1 | 0 | 3 | -32 | ***** | -23 |
| DMSM(ACOL B) | 81 | -4 | -56 | 7 | 0 | 1 | -50 | 0 | -50 |
| DMSM(ACOL B) | 69 | 0 | -56 | -1 | 0 | 3 | -34 | ***** | -18 |
| ACOL A | 5 | -2 | 2 | 5 | 0 | -1 | -27 | 0 | -27 |
| ACOL A | 1 | 1 | -1 | 1 | 0 | 1 | -8 | 0 | -8 |
| ACOL A | -1 | 3 | -2 | -1 | 0 | 2 | -4 | 0 | -4 |
| ACOL A | 3 | 2 | -1 | 3 | 0 | 2 | -16 | 0 | -16 |
| ACOL A | 10 | -4 | 3 | 10 | 0 | -3 | -52 | 0 | -52 |
| ACOL A | 15 | -6 | 5 | 15 | 0 | -4 | -69 | 0 | -69 |
| ACOL A | 18 | -7 | 6 | 18 | 0 | -5 | -80 | 0 | -80 |
| ACOL A | 4 | -2 | 1 | 4 | 0 | -1 | -27 | 0 | -27 |
| ACOL A | 4 | -2 | 1 | 4 | 0 | -1 | -24 | 0 | -24 |
| ACOL A | -1 | 0 | 0 | -1 | 0 | 0 | -17 | ***** | -9 |
| ACOL A | 11 | -4 | 3 | 11 | 0 | -2 | -82 | 0 | -82 |
| ACOL A | 13 | -5 | 4 | 13 | 0 | -3 | -82 | 0 | -82 |

L-B-87
 ATCH 4

SERVICE: ARMY COMMUNITY: BOTH

RETIREMENT
REF: OPTION:

REALLOCATION
OPTION:

2 TERM PAY
3 HIGH 3
4 DEC 10%
5 DEC 20%
6 DEC 20%
7 DEC 20%
8 DEC 30%
9 DEC 30%
10 DEC 40%
11 DEC 50%
12 1% PENALTY
13 1% PEN
14 2% PEN
15 2% PEN
16 3% PEN
17 3% PEN
18 4% PEN
19 4% PEN
20 5% PEN
21 6% PEN
22 6% PEN
23 COLA 30/90%
24 COLA 30/75%
25 COLA 30/61%
26 COLA 30/50%
27 COLA 30/33%
28 COLA 30/0%
29 COLA 62/75%
30 COLA 62/75%
31 COLA 62/67%
32 COLA 62/50%
33 COLA 62/33%
34 COLA 62/0%
35 COLA 62/0%
36 COLA LIFE/75%
37 COLA LIFE/50%
38 COLA LIFE/25%
39 COLA LIFE/0%
40 COLA 62/75% + 3% PEN
41 COLA 62/75% + 3% PEN
42 COLA 62/67% + 3% PEN
43 HIGH 3
44 DEC 30% (1.75 MULTI)
45 DEC 30% (1.75 MULTI)
46 3% PEN
47 3% PEN
48 COLA 62/50%
49 COLA 62/50%
50 COLA 62/75% + 3% PEN NONE

L-1-88
ATCH 4

COSTS IN \$ MILLIONS

| SOURCE: | GAIN | MAINT | S&I | LOSS | FIXED | FORCE | REMIT | EW | TOTET | TOTAL |
|----------|------|-------|-----|------|-------|-------|-------|-----|-------|-------|
| ACOL A/B | 1150 | 12580 | 492 | 217 | 0 | 14439 | 5174 | 0 | 5174 | 19613 |
| ACOL A | 1163 | 12496 | 465 | 220 | 0 | 14344 | 4889 | 0 | 4889 | 19233 |
| ACOL A | 1197 | 12352 | 468 | 226 | 0 | 14243 | 4123 | 0 | 4123 | 18366 |
| ACOL A | 1232 | 12216 | 471 | 233 | 0 | 14152 | 3416 | 0 | 3416 | 17568 |
| ACOL A | 1149 | 12548 | 454 | 217 | 0 | 14378 | 3997 | 411 | 4408 | 18786 |
| ACOL A | 1264 | 12090 | 472 | 239 | 0 | 14065 | 2771 | 0 | 2771 | 16836 |
| ACOL A | 1167 | 12409 | 467 | 220 | 0 | 14263 | 3411 | 508 | 3919 | 18182 |
| ACOL A | 1140 | 12616 | 464 | 215 | 0 | 14435 | 3542 | 613 | 4155 | 18590 |
| ACOL A | 1291 | 11980 | 473 | 243 | 0 | 13987 | 2194 | 0 | 2194 | 16181 |
| ACOL A | 1317 | 11877 | 475 | 247 | 0 | 13916 | 1676 | 0 | 1676 | 15592 |
| ACOL A | 1187 | 12426 | 467 | 222 | 0 | 14302 | 4331 | 0 | 4331 | 18633 |
| ACOL A | 1146 | 12569 | 464 | 214 | 0 | 14393 | 4678 | 216 | 4894 | 19287 |
| ACOL A | 1210 | 12356 | 468 | 229 | 0 | 14263 | 3831 | 0 | 3831 | 18094 |
| ACOL A | 1141 | 12602 | 464 | 216 | 0 | 14423 | 4370 | 358 | 4728 | 19151 |
| ACOL A | 1223 | 12313 | 469 | 232 | 0 | 14237 | 3432 | 0 | 3432 | 17669 |
| ACOL A | 1134 | 12647 | 464 | 215 | 0 | 14460 | 4103 | 499 | 4602 | 19062 |
| ACOL A | 1228 | 12309 | 469 | 232 | 0 | 14238 | 3060 | 0 | 3060 | 17298 |
| ACOL A | 1116 | 12742 | 462 | 211 | 0 | 14531 | 3935 | 645 | 4580 | 19111 |
| ACOL A | 1232 | 12312 | 469 | 229 | 0 | 14242 | 2967 | 0 | 2967 | 17209 |
| ACOL A | 1233 | 12324 | 468 | 228 | 0 | 14253 | 2846 | 0 | 2846 | 17099 |
| ACOL A | 1069 | 12598 | 456 | 202 | 0 | 14725 | 3811 | 955 | 4766 | 19491 |
| ACOL A | 1172 | 12468 | 466 | 221 | 0 | 14327 | 4637 | 0 | 4637 | 18964 |
| ACOL A | 1185 | 12426 | 467 | 224 | 0 | 14302 | 4285 | 0 | 4285 | 18587 |
| ACOL A | 1191 | 12405 | 467 | 225 | 0 | 14288 | 4111 | 0 | 4111 | 18399 |
| ACOL A | 1203 | 12359 | 468 | 227 | 0 | 14257 | 3766 | 0 | 3766 | 18023 |
| ACOL A | 1218 | 12318 | 469 | 230 | 0 | 14235 | 3455 | 0 | 3455 | 17690 |
| ACOL A | 1230 | 12268 | 470 | 233 | 0 | 14201 | 2975 | 0 | 2975 | 17176 |
| ACOL A | 1178 | 12434 | 467 | 222 | 0 | 14301 | 4330 | 0 | 4330 | 18631 |
| ACOL A | 1200 | 12348 | 468 | 226 | 0 | 14242 | 3744 | 0 | 3744 | 17986 |
| ACOL A | 1211 | 12306 | 469 | 229 | 0 | 14215 | 3533 | 0 | 3533 | 17748 |
| ACOL A | 1232 | 12225 | 471 | 233 | 0 | 14161 | 2984 | 0 | 2984 | 17145 |
| ACOL A | 1143 | 12592 | 464 | 216 | 0 | 14415 | 3601 | 440 | 4041 | 18456 |
| ACOL A | 1250 | 12153 | 472 | 236 | 0 | 14111 | 2545 | 0 | 2545 | 16566 |
| ACOL A | 1275 | 12048 | 473 | 240 | 0 | 14036 | 1931 | 0 | 1931 | 15967 |
| ACOL A | 1205 | 12332 | 497 | 228 | 0 | 14262 | 3632 | 0 | 3632 | 17894 |
| ACOL A | 1239 | 12197 | 499 | 234 | 0 | 14169 | 2757 | 0 | 2757 | 16926 |
| ACOL A | 1267 | 12089 | 501 | 239 | 0 | 14096 | 2141 | 0 | 2141 | 16237 |
| ACOL A | 1289 | 12000 | 502 | 244 | 0 | 14035 | 1697 | 0 | 1697 | 15732 |
| ACOL A | 1249 | 12190 | 472 | 236 | 0 | 14147 | 2696 | 0 | 2696 | 16843 |
| ACOL A | 1133 | 12624 | 462 | 214 | 0 | 14433 | 3381 | 673 | 4054 | 18487 |
| ACOL A | 2004 | 12220 | 274 | 237 | 0 | 14735 | 2957 | 0 | 2957 | 17692 |
| ACOL B | 1160 | 12510 | 494 | 219 | 0 | 14383 | 4953 | 0 | 4953 | 19336 |
| ACOL B | 1268 | 12081 | 502 | 240 | 0 | 14091 | 2755 | 0 | 2755 | 16846 |
| ACOL B | 1123 | 12669 | 491 | 212 | 0 | 14495 | 3610 | 626 | 4236 | 18731 |
| ACOL B | 1198 | 12405 | 496 | 226 | 0 | 14325 | 3583 | 0 | 3583 | 17908 |
| ACOL B | 1111 | 12734 | 490 | 211 | 0 | 14546 | 4241 | 511 | 4752 | 19298 |
| ACOL B | 1232 | 12226 | 499 | 233 | 0 | 14190 | 3005 | 0 | 3005 | 17195 |
| ACOL B | 1134 | 12622 | 492 | 214 | 0 | 14462 | 3639 | 445 | 4084 | 18546 |
| ACOL B | 1228 | 12269 | 498 | 232 | 0 | 14227 | 2810 | 0 | 2810 | 17037 |

SERVICE: ARMY COMMUNITY: BOTH

REF: OPTION: REALLOCATION OPTION: SOURCE:

| REF: | OPTION: | REALLOCATION OPTION: | SOURCE: | GAIN | MAINT | S&I | LOSS | FIXED | FORCE | RETH | EW | TOTRET | TOTAL |
|------|----------------------|----------------------|--------------|------|-------|-----|------|-------|-------|------|-----|--------|-------|
| 51 | COLA 62/75% + 3% PEN | 200(O)/300(E) --0--0 | ACOL B | 1114 | 12699 | 489 | 210 | 0 | 14512 | 3553 | 687 | 4240 | 18752 |
| 52 | DEC 30% (1.75 MULT) | NONE | DHSH(ACOL B) | 2017 | 12117 | 274 | 244 | 0 | 14652 | 3322 | 0 | 3322 | 17974 |
| 53 | DEC 30% (1.75 MULT) | 210-60-100 | DHSH(ACOL B) | 1853 | 12719 | 274 | 222 | 0 | 15068 | 3993 | 628 | 4621 | 19689 |
| 54 | 3% PEN | NONE | DHSH(ACOL B) | 1938 | 12434 | 273 | 234 | 0 | 14879 | 3824 | 0 | 3824 | 18703 |
| 55 | 3% PEN | 210--0--0 | DHSH(ACOL B) | 1839 | 12788 | 274 | 220 | 0 | 15121 | 4388 | 516 | 4904 | 20025 |
| 56 | COLA 62/50% | NONE | DHSH(ACOL B) | 1977 | 12259 | 274 | 238 | 0 | 14748 | 3371 | 0 | 3371 | 18119 |
| 57 | COLA 62/75% + 3% PEN | 160--40--50 | DHSH(ACOL B) | 1865 | 12695 | 274 | 224 | 0 | 15058 | 3941 | 450 | 4391 | 19449 |
| 58 | COLA 62/75% + 3% PEN | NONE | DHSH(ACOL B) | 1972 | 12286 | 274 | 239 | 0 | 14771 | 3009 | 0 | 3009 | 17780 |
| 59 | COLA 62/75% + 3% PEN | 200(O)/300(E) --0--0 | DHSH(ACOL B) | 1840 | 12742 | 274 | 220 | 0 | 15076 | 3776 | 693 | 4469 | 19545 |
| 60 | SS OFFSET=1.25%/YR | NONE | ACOL A | 1203 | 12382 | 468 | 228 | 0 | 14281 | 3659 | 0 | 3659 | 17940 |
| 61 | VEST 22,BEFORE SHIFT | NONE | ACOL A | 1161 | 12677 | 461 | 220 | 0 | 14519 | 4761 | 0 | 4761 | 19280 |
| 62 | VEST 24,BEFORE SHIFT | NONE | ACOL A | 1153 | 12855 | 456 | 217 | 0 | 14681 | 4818 | 0 | 4818 | 19499 |
| 63 | VEST 30,BEFORE SHIFT | NONE | ACOL A | 1206 | 12641 | 460 | 227 | 0 | 14534 | 4123 | 0 | 4123 | 18657 |
| 64 | VEST 22,AFTER SHIFT | NONE | ACOL A | 1270 | 12050 | 474 | 240 | 0 | 14034 | 2748 | 0 | 2748 | 16782 |
| 65 | VEST 24,AFTER SHIFT | NONE | ACOL A | 1313 | 11872 | 481 | 248 | 0 | 13914 | 2044 | 0 | 2044 | 15958 |
| 66 | VEST 30,AFTER SHIFT | NONE | ACOL A | 1375 | 11620 | 482 | 259 | 0 | 13737 | 1320 | 0 | 1320 | 15057 |
| 67 | RMA | NONE | ACOL A | 1196 | 12382 | 456 | 225 | 0 | 14299 | 3857 | 0 | 3857 | 18156 |
| 68 | USRBA W/O LOAN | NONE | ACOL A | 1204 | 12354 | 496 | 227 | 0 | 14281 | 3913 | 0 | 3913 | 18194 |
| 69 | USRBA WITH LOAN | LOAN OPTION | ACOL A | 1137 | 12610 | 492 | 215 | 0 | 14454 | 4343 | 387 | 4730 | 19184 |
| 70 | PPSSCC OSD 24B | NONE | ACOL A | 1290 | 11996 | 474 | 243 | 0 | 14003 | 986 | 0 | 986 | 14989 |
| 71 | PPSSCC USAF 1.9% | NONE | ACOL A | 1337 | 11827 | 474 | 251 | 0 | 13889 | 892 | 0 | 892 | 14781 |

L-B-89
ATCH 4

SERVICE: ARMY COMMUNITY: BOTH

REF: RETIREMENT REALLOCATION OPTION:

2 TERM PAY
3 HIGH 3
4 DEC 10%
5 DEC 20%
6 DEC 20%
7 DEC 30%
8 DEC 30%
9 DEC 30%
10 DEC 40%
11 DEC 50%
12 1% PENALTY
13 1% PEN
14 2% PEN
15 2% PEN
16 3% PEN
17 3% PEN
18 4% PEN
19 4% PEN
20 5% PEN
21 6% PEN
22 6% PEN
23 COLA 30/90%
24 COLA 30/75%
25 COLA 30/67%
26 COLA 30/50%
27 COLA 30/33%
28 COLA 30/0%
29 COLA 62/90%
30 COLA 62/75%
31 COLA 62/67%
32 COLA 62/50%
33 COLA 62/50%
34 COLA 62/33%
35 COLA 62/0%
36 COLA LIFE/75%
37 COLA LIFE/50%
38 COLA LIFE/25%
39 COLA LIFE/0%
40 COLA 62/75% + 3% PEN
41 COLA 62/75% + 3% PEN
42 COLA 62/67% + 3% PEN
43 HIGH 3
44 DEC 30% (1.75 MULT)
45 DEC 30% (1.75 MULT)
46 3% PEN
47 3% PEN
48 COLA 62/50%
49 COLA 62/50%
50 COLA 62/75% + 3% PEN

L-B-90
ATCH 4

S DELTAS FROM CASE 2

| GAIN | MAINT | S&I | LOSS | FIXED | FORCE | RETM | EW | TOTRET | TOTAL |
|------|-------|------|------|-------|-------|-------|-----|--------|-------|
| 1150 | 12580 | 492 | 217 | 0 | 14439 | 5174 | 0 | 5174 | 19613 |
| 13 | -84 | -27 | 3 | 0 | -95 | -285 | 0 | -285 | -380 |
| 47 | -228 | -24 | 9 | 0 | -196 | -1051 | 0 | -1051 | -1247 |
| 82 | -364 | -21 | 16 | 0 | -287 | -1758 | 0 | -1758 | -2045 |
| -1 | -32 | -28 | 0 | 0 | -61 | -1177 | 411 | -766 | -827 |
| 114 | -490 | -20 | 22 | 0 | -374 | -2403 | 0 | -2403 | -2777 |
| 17 | -171 | -25 | 3 | 0 | -176 | -1763 | 508 | -1255 | -1431 |
| -10 | -36 | -28 | -2 | 0 | -4 | -1632 | 613 | -1019 | -1023 |
| 141 | -600 | -19 | 26 | 0 | -452 | -2980 | 0 | -2980 | -3432 |
| 167 | -703 | -17 | 30 | 0 | -523 | -3498 | 0 | -3498 | -4021 |
| 37 | -154 | -25 | 5 | 0 | -137 | -843 | 0 | -843 | -980 |
| -4 | -11 | -28 | -3 | 0 | -46 | -496 | 216 | -280 | -326 |
| 60 | -224 | -24 | 12 | 0 | -176 | -1343 | 0 | -1343 | -1519 |
| -9 | 22 | -28 | -1 | 0 | -16 | -804 | 358 | -446 | -462 |
| 73 | -267 | -23 | 15 | 0 | -202 | -1742 | 0 | -1742 | -1944 |
| -16 | 67 | -28 | -2 | 0 | 21 | -1071 | 499 | -572 | -551 |
| 78 | -271 | -23 | 15 | 0 | -201 | -2114 | 0 | -2114 | -2315 |
| -34 | 162 | -30 | -6 | 0 | 92 | -1239 | 645 | -594 | -502 |
| 82 | -268 | -23 | 12 | 0 | -197 | -2207 | 0 | -2207 | -2404 |
| 83 | -256 | -24 | 11 | 0 | -186 | -2328 | 0 | -2328 | -2514 |
| -81 | 418 | -36 | -15 | 0 | 286 | -1363 | 955 | -408 | -122 |
| 22 | -112 | -26 | 4 | 0 | -112 | -537 | 0 | -537 | -649 |
| 35 | -154 | -25 | 7 | 0 | -137 | -889 | 0 | -889 | -1026 |
| 41 | -175 | -25 | 8 | 0 | -151 | -1063 | 0 | -1063 | -1214 |
| 53 | -221 | -24 | 10 | 0 | -182 | -1408 | 0 | -1408 | -1590 |
| 68 | -262 | -23 | 13 | 0 | -204 | -1719 | 0 | -1719 | -1923 |
| 80 | -312 | -22 | 16 | 0 | -238 | -2199 | 0 | -2199 | -2437 |
| 28 | -146 | -25 | 5 | 0 | -138 | -844 | 0 | -844 | -982 |
| 50 | -232 | -24 | 9 | 0 | -197 | -1430 | 0 | -1430 | -1627 |
| 61 | -274 | -23 | 12 | 0 | -224 | -1641 | 0 | -1641 | -1855 |
| 82 | -355 | -21 | 16 | 0 | -278 | -2190 | 0 | -2190 | -2468 |
| -7 | 12 | -28 | -1 | 0 | -24 | -1573 | 440 | -1133 | -1157 |
| 100 | -427 | -20 | 19 | 0 | -328 | -2629 | 0 | -2629 | -2957 |
| 125 | -532 | -19 | 23 | 0 | -403 | -3243 | 0 | -3243 | -3646 |
| 55 | -248 | 5 | 11 | 0 | -177 | -1542 | 0 | -1542 | -1719 |
| 89 | -383 | 7 | 17 | 0 | -270 | -2417 | 0 | -2417 | -2687 |
| 117 | -491 | 9 | 22 | 0 | -343 | -3033 | 0 | -3033 | -3376 |
| 139 | -580 | 10 | 27 | 0 | -404 | -3477 | 0 | -3477 | -3881 |
| 99 | -390 | -20 | 19 | 0 | -292 | -2478 | 0 | -2478 | -2770 |
| -17 | 44 | -30 | -3 | 0 | -6 | -1793 | 673 | -1120 | -1126 |
| 854 | -360 | -218 | 20 | 0 | 296 | -2217 | 0 | -2217 | -1921 |
| 10 | -70 | 2 | 2 | 0 | -56 | -221 | 0 | -221 | -277 |
| 118 | -499 | 10 | 23 | 0 | -348 | -2419 | 0 | -2419 | -2767 |
| -27 | 89 | -1 | -5 | 0 | 56 | -1564 | 626 | -938 | -882 |
| 48 | -175 | 4 | 9 | 0 | -114 | -1591 | 0 | -1591 | -1705 |
| -39 | 154 | -2 | -6 | 0 | 107 | -933 | 511 | -422 | -315 |
| 82 | -354 | 7 | 16 | 0 | -249 | -2169 | 0 | -2169 | -2418 |
| -16 | 42 | 0 | -3 | 0 | 23 | -1535 | 445 | -1090 | -1067 |
| 78 | -311 | 6 | 15 | 0 | -212 | -2364 | 0 | -2364 | -2576 |

SERVICE: ARMY COMMUNITY: BOTH

RETIREMENT REALLOCATION
REF: OPTION: OPTION:

51 COLA 62/75% + 3% PEN 200(0)/300(E)--0--0
52 DEC 30% (1.75 MULT) NONE
53 DEC 30% (1.75 MULT) 210-60-100
54 3% PEN NONE
55 3% PEN 210-0-0
56 COLA 62/50% NONE
57 COLA 62/50% 160-40--50
58 COLA 62/75% + 3% PEN NONE
59 COLA 62/75% + 3% PEN 200(0)/300(E)--0--0
60 SS OFFSET=1.25%/YR NONE
61 VEST 22,BEFORE SHIFT NONE
62 VEST 24,BEFORE SHIFT NONE
63 VEST 30,BEFORE SHIFT NONE
64 VEST 22,AFTER SHIFT NONE
65 VEST 24,AFTER SHIFT NONE
66 VEST 30,AFTER SHIFT NONE
67 RMA NONE
68 USRBA W/O LOAN NONE
69 USRBA WITH LOAN LOAN OPTION
70 PPSSCC OSD 248 NONE
71 PPSSCC USAF 1.9% NONE

| SOURCE: | GAIN | MAINT | S&I | LOSS | FIXED | FORCE | REIMT | EW TOTRET | TOTAL |
|--------------|------|-------|------|------|-------|-------|-------|-----------|-------|
| ACOL B | -36 | 119 | -3 | -7 | 0 | 73 | -1621 | 687 | -861 |
| DMSH(ACOL B) | 867 | -463 | -218 | 27 | 0 | 213 | -1852 | 0 | -1639 |
| DMSH(ACOL B) | 703 | 139 | -218 | 5 | 0 | 629 | -1181 | 628 | -553 |
| DMSH(ACOL B) | 788 | -146 | -219 | 17 | 0 | 440 | -1350 | 0 | -910 |
| DMSH(ACOL B) | 689 | 208 | -218 | 3 | 0 | 682 | -786 | 516 | -412 |
| DMSH(ACOL B) | 827 | -321 | -218 | 21 | 0 | 309 | -1803 | 0 | -1494 |
| DMSH(ACOL B) | 715 | 115 | -218 | 7 | 0 | 619 | -1233 | 450 | -164 |
| DMSH(ACOL B) | 822 | -294 | -218 | 22 | 0 | 332 | -2165 | 0 | -1833 |
| DMSH(ACOL B) | 690 | 162 | -218 | 3 | 0 | 637 | -1398 | 693 | -58 |
| ACOL A | 53 | -198 | -24 | 11 | 0 | -158 | -1515 | 0 | -1515 |
| ACOL A | 11 | 97 | -31 | 3 | 0 | 80 | -413 | 0 | -413 |
| ACOL A | 3 | 275 | -36 | 0 | 0 | 242 | -356 | 0 | -356 |
| ACOL A | 56 | 61 | -32 | 10 | 0 | 95 | -1051 | 0 | -1051 |
| ACOL A | 120 | -530 | -18 | 23 | 0 | -405 | -2426 | 0 | -2426 |
| ACOL A | 163 | -708 | -11 | 31 | 0 | -525 | -3130 | 0 | -3130 |
| ACOL A | 226 | -560 | -10 | 42 | 0 | -702 | -3854 | 0 | -3854 |
| ACOL A | 46 | -198 | 4 | 8 | 0 | -140 | -1317 | 0 | -1317 |
| ACOL A | 54 | -226 | 4 | 10 | 0 | -158 | -1261 | 0 | -1261 |
| ACOL A | -13 | 30 | 0 | -2 | 0 | 15 | -831 | 387 | -444 |
| ACOL A | 140 | -584 | -18 | 26 | 0 | -436 | -4188 | 0 | -4188 |
| ACOL A | 187 | -753 | -18 | 34 | 0 | -550 | -4282 | 0 | -4282 |

L-B-91
ATCH 4

SERVICE: ARMY COMMUNITY: BOTH

RETIREMENT REALLOCATION
REF: OPTION:

2 TERM PAY
3 HIGH 3
4 DEC 10%
5 DEC 20%
6 DEC 30%
7 DEC 40%
8 DEC 50%
9 DEC 60%
10 DEC 70%
11 DEC 80%
12 DEC 90%
13 1% PENALTY
14 2% PEN
15 3% PEN
16 4% PEN
17 5% PEN
18 6% PEN
19 7% PEN
20 8% PEN
21 9% PEN
22 10% PEN
23 COLA 30/90%
24 COLA 30/75%
25 COLA 30/60%
26 COLA 30/50%
27 COLA 30/40%
28 COLA 30/30%
29 COLA 30/20%
30 COLA 30/10%
31 COLA 30/0%
32 COLA 30/0%
33 COLA 30/0%
34 COLA 30/0%
35 COLA 30/0%
36 COLA 30/0%
37 COLA 30/0%
38 COLA 30/0%
39 COLA 30/0%
40 COLA 30/0%
41 COLA 30/0%
42 COLA 30/0%
43 COLA 30/0%
44 COLA 30/0%
45 COLA 30/0%
46 COLA 30/0%
47 COLA 30/0%
48 COLA 30/0%
49 COLA 30/0%
50 COLA 30/0%

L-B-92
ATCH 4

% DELTAS FROM CASE 2

| SOURCE: | GAIN | MAINT | S&I | LOSS | FIXED | FORCE | RETRY | EW | TOTREI | TOTAL |
|----------|------|-------|-----|------|-------|-------|-------|----|--------|-------|
| ACOL A/B | 1150 | 12580 | 492 | 217 | 0 | 14439 | 5174 | 0 | 5174 | 19613 |
| ACOL A | 1 | -1 | -5 | 4 | 0 | -1 | -6 | 0 | -6 | -2 |
| ACOL A | 4 | -2 | -5 | 4 | 0 | -1 | -6 | 0 | -6 | -6 |
| ACOL A | 7 | -3 | -4 | 7 | 0 | -2 | -34 | 0 | -34 | -10 |
| ACOL A | 10 | 0 | -6 | 0 | 0 | 0 | -23 | 0 | -23 | -4 |
| ACOL A | 10 | -4 | -4 | 10 | 0 | -3 | -46 | 0 | -46 | -14 |
| ACOL A | 1 | -1 | -5 | 1 | 0 | -1 | -34 | 0 | -34 | -7 |
| ACOL A | -1 | 0 | -6 | -1 | 0 | 0 | -32 | 0 | -32 | -5 |
| ACOL A | 12 | -5 | -4 | 12 | 0 | -3 | -58 | 0 | -58 | -17 |
| ACOL A | 15 | -6 | -3 | 15 | 0 | -4 | -68 | 0 | -68 | -21 |
| ACOL A | 3 | -1 | -5 | 3 | 0 | -1 | -16 | 0 | -16 | -5 |
| ACOL A | 5 | 0 | -6 | -1 | 0 | 0 | -10 | 0 | -10 | -2 |
| ACOL A | 5 | -2 | -5 | 6 | 0 | -1 | -26 | 0 | -26 | -8 |
| ACOL A | -1 | 6 | -6 | 0 | 0 | 0 | -16 | 0 | -16 | -2 |
| ACOL A | 6 | -2 | -5 | 7 | 0 | -1 | -34 | 0 | -34 | -10 |
| ACOL A | -1 | 1 | -6 | -1 | 0 | 0 | -21 | 0 | -21 | -3 |
| ACOL A | -7 | -2 | -5 | 7 | 0 | -1 | -41 | 0 | -41 | -12 |
| ACOL A | -3 | 1 | -6 | -3 | 0 | 0 | -24 | 0 | -24 | -11 |
| ACOL A | 7 | -2 | -5 | 6 | 0 | -1 | -43 | 0 | -43 | -12 |
| ACOL A | 7 | -2 | -5 | 5 | 0 | -1 | -45 | 0 | -45 | -13 |
| ACOL A | -7 | 3 | -7 | -7 | 0 | 2 | -26 | 0 | -26 | -1 |
| ACOL A | 2 | -1 | -5 | 2 | 0 | -1 | -10 | 0 | -10 | -3 |
| ACOL A | 4 | -1 | -5 | 3 | 0 | -1 | -17 | 0 | -17 | -5 |
| ACOL A | 4 | -1 | -5 | 4 | 0 | -1 | -21 | 0 | -21 | -6 |
| ACOL A | 5 | -2 | -5 | 5 | 0 | -1 | -27 | 0 | -27 | -8 |
| ACOL A | 6 | -2 | -5 | 6 | 0 | -2 | -33 | 0 | -33 | -10 |
| ACOL A | 7 | -2 | -5 | 7 | 0 | -2 | -43 | 0 | -43 | -12 |
| ACOL A | 2 | -1 | -5 | 2 | 0 | -1 | -16 | 0 | -16 | -5 |
| ACOL A | 4 | -2 | -5 | 4 | 0 | -1 | -28 | 0 | -28 | -8 |
| ACOL A | 5 | -2 | -5 | 6 | 0 | -2 | -32 | 0 | -32 | -10 |
| ACOL A | -1 | 0 | -6 | 0 | 0 | 0 | -42 | 0 | -42 | -13 |
| ACOL A | 9 | -3 | -4 | 9 | 0 | -2 | -51 | 0 | -51 | -15 |
| ACOL A | 11 | -4 | -4 | 11 | 0 | -3 | -63 | 0 | -63 | -19 |
| ACOL A | 5 | -2 | -5 | 5 | 0 | -1 | -30 | 0 | -30 | -9 |
| ACOL A | 8 | -3 | -4 | 8 | 0 | -2 | -47 | 0 | -47 | -14 |
| ACOL A | 10 | -4 | -4 | 10 | 0 | -2 | -59 | 0 | -59 | -17 |
| ACOL A | 12 | -5 | -4 | 12 | 0 | -3 | -67 | 0 | -67 | -20 |
| ACOL A | 9 | -3 | -4 | 9 | 0 | -2 | -48 | 0 | -48 | -14 |
| ACOL A | -1 | 0 | -6 | -1 | 0 | 0 | -35 | 0 | -35 | -6 |
| ACOL A | 74 | -3 | -44 | 9 | 0 | 2 | -44 | 0 | -44 | -10 |
| ACOL B | 1 | -1 | 0 | 1 | 0 | 0 | -4 | 0 | -4 | -1 |
| ACOL B | 10 | -4 | 2 | 11 | 0 | -2 | -47 | 0 | -47 | -14 |
| ACOL B | -2 | 1 | 0 | -2 | 0 | 0 | -30 | 0 | -30 | -4 |
| ACOL B | 4 | -1 | 1 | 4 | 0 | -1 | -31 | 0 | -31 | -9 |
| ACOL B | -3 | 1 | 0 | -3 | 0 | 1 | -18 | 0 | -18 | -2 |
| ACOL B | 7 | -3 | 1 | 7 | 0 | -2 | -42 | 0 | -42 | -12 |
| ACOL B | -1 | 0 | 0 | -1 | 0 | 0 | -30 | 0 | -30 | -5 |
| ACOL B | 7 | -2 | 1 | 7 | 0 | -1 | -46 | 0 | -46 | -13 |

% DELTAS FROM CASE 2

SERVICE: ARMY COMMUNITY: BOTH

| REF: | RETIREMENT
OPTION: | REALLOCATION
OPTION: | SOURCE: | GAIN | MAINT | SEI | LOSS | FIXED | FORCE | REINT | EW TOTRET | TOTAL |
|------|-----------------------|-------------------------|--------------|------|-------|-----|------|-------|-------|-------|-----------|-------|
| 51 | COLA 62/75% + 3% PEN | 200(O)/300(E)--0--0 | ACOL B | -3 | 1 | -1 | -3 | 0 | 1 | -31 | ***** | -18 |
| 52 | DEC 30% (1.75 MULT) | NONE | DMSH(ACOL B) | 75 | -4 | -44 | 12 | 0 | 1 | -36 | 0 | -8 |
| 53 | DEC 30% (1.75 MULT) | 210-60-100 | DMSH(ACOL B) | 61 | 1 | -44 | 2 | 0 | 4 | -23 | ***** | 0 |
| 54 | 3% PEN | NONE | DMSH(ACOL B) | 69 | -1 | -45 | 8 | 0 | 3 | -26 | 0 | -5 |
| 55 | 3% PEN | 210--0--0 | DMSH(ACOL B) | 60 | 2 | -44 | 1 | 0 | 5 | -15 | ***** | 2 |
| 56 | COLA 62/50% + 3% PEN | NONE | DMSH(ACOL B) | 72 | -3 | -44 | 10 | 0 | 2 | -35 | 0 | -8 |
| 57 | COLA 62/50% + 3% PEN | 160--40--50 | DMSH(ACOL B) | 62 | 1 | -44 | 3 | 0 | 4 | -24 | ***** | -1 |
| 58 | COLA 62/75% + 3% PEN | NONE | DMSH(ACOL B) | 71 | -2 | -44 | 10 | 0 | 2 | -42 | 0 | -9 |
| 59 | COLA 62/75% + 3% PEN | 200(O)/300(E)--0--0 | DMSH(ACOL B) | 60 | 1 | -44 | 1 | 0 | 4 | -27 | ***** | -14 |
| 60 | SS OFFSET=1.25%/YR | NONE | ACOL A | 5 | -2 | -5 | 5 | 0 | -1 | -29 | 0 | -9 |
| 61 | VEST 22,BEFORE SHIFT | NONE | ACOL A | 1 | 1 | -6 | 1 | 0 | 1 | -8 | 0 | -2 |
| 62 | VEST 24,BEFORE SHIFT | NONE | ACOL A | 0 | 2 | -7 | 0 | 0 | 2 | -7 | 0 | -1 |
| 63 | VEST 30,BEFORE SHIFT | NONE | ACOL A | 5 | 0 | -7 | 5 | 0 | 1 | -20 | 0 | -5 |
| 64 | VEST 22,AFTER SHIFT | NONE | ACOL A | 10 | -4 | -4 | 11 | 0 | -3 | -47 | 0 | -14 |
| 65 | VEST 24,AFTER SHIFT | NONE | ACOL A | 14 | -6 | -2 | 14 | 0 | -4 | -60 | 0 | -19 |
| 66 | VEST 30,AFTER SHIFT | NONE | ACOL A | 20 | -8 | -2 | 19 | 0 | -5 | -74 | 0 | -23 |
| 67 | RMA | NONE | ACOL A | 4 | -2 | 1 | 4 | 0 | -1 | -25 | 0 | -7 |
| 68 | USRBA W/O LOAN | NONE | ACOL A | 5 | -2 | 1 | 5 | 0 | -1 | -24 | 0 | -24 |
| 69 | USRBA WITH LOAN | LOAN OPTION | ACOL A | -1 | 0 | 0 | -1 | 0 | 0 | -16 | ***** | -9 |
| 70 | PPSSCC OSD 24B | NONE | ACOL A | 12 | -5 | -4 | 12 | 0 | -3 | -81 | 0 | -24 |
| 71 | PPSSCC USAF 1.9% | NONE | ACOL A | 16 | -5 | -4 | 16 | 0 | -4 | -83 | 0 | -25 |

L-B-93
ATCH 4

SERVICE: NAVY COMMUNITY: OFF

REF: RETIREMENT
OPTION: REALLOCATION
OPTION:

| REF | RETIREMENT
OPTION | REALLOCATION
OPTION |
|-----|----------------------|------------------------|
| 2 | TERM PAY | NONE |
| 3 | HIGH 3 | NONE |
| 4 | DEC 10% | NONE |
| 5 | DEC 20% | NONE |
| 6 | DEC 20% | 150--30--70 |
| 7 | DEC 30% | NONE |
| 8 | DEC 30% | 210--0--0 |
| 9 | DEC 30% | 210--60--100 |
| 10 | DEC 40% | NONE |
| 11 | DEC 50% | NONE |
| 12 | 1% PENALTY | NONE |
| 13 | 1% PEN | 90--0--0 |
| 14 | 2% PEN | NONE |
| 15 | 2% PEN | 150--0--0 |
| 16 | 3% PEN | NONE |
| 17 | 3% PEN | 210--0--0 |
| 18 | 4% PEN | NONE |
| 19 | 4% PEN | 270--0--0 |
| 20 | 5% PEN | NONE |
| 21 | 6% PEN | NONE |
| 22 | 6% PEN | 390--0--0 |
| 23 | COLA 30/90% | NONE |
| 24 | COLA 30/75% | NONE |
| 25 | COLA 30/67% | NONE |
| 26 | COLA 30/50% | NONE |
| 27 | COLA 30/33% | NONE |
| 28 | COLA 30/0% | NONE |
| 29 | COLA 62/90% | NONE |
| 30 | COLA 62/75% | NONE |
| 31 | COLA 62/67% | NONE |
| 32 | COLA 62/50% | NONE |
| 33 | COLA 62/50% | 160--40--50 |
| 34 | COLA 62/33% | NONE |
| 35 | COLA 62/0% | NONE |
| 36 | COLA LIFE/75% | NONE |
| 37 | COLA LIFE/50% | NONE |
| 38 | COLA LIFE/25% | NONE |
| 39 | COLA 62/75% + 3% PEN | NONE |
| 40 | COLA 62/75% + 3% PEN | 200(0)/300(E)--0--0 |
| 41 | COLA 62/75% + 3% PEN | NONE |
| 42 | HIGH 3 | NONE |
| 43 | DEC 30% (1.75 MULT) | NONE |
| 44 | DEC 30% (1.75 MULT) | 210--60--100 |
| 45 | 3% PEN | NONE |
| 46 | 3% PEN | 210--0--0 |
| 47 | COLA 62/50% | NONE |
| 48 | COLA 62/50% | 160--40--50 |
| 49 | COLA 62/75% + 3% PEN | NONE |
| 50 | | |

L-B-94
ATCH 4

COSTS IN \$ MILLIONS

| S&I | LOSS | FIXED | FORCE | RETMT | EW | TOTRET | TOTAL |
|-----|------|-------|-------|-------|-----|--------|-------|
| 113 | 31 | 0 | 3597 | 1108 | 0 | 1108 | 4705 |
| 176 | 31 | 0 | 3669 | 1066 | 0 | 1066 | 4735 |
| 174 | 33 | 0 | 3708 | 925 | 0 | 925 | 4633 |
| 171 | 34 | 0 | 3750 | 788 | 0 | 788 | 4538 |
| 177 | 31 | 0 | 3655 | 859 | 90 | 949 | 4604 |
| 167 | 35 | 0 | 3792 | 657 | 0 | 657 | 4449 |
| 178 | 32 | 0 | 3670 | 748 | 99 | 847 | 4517 |
| 177 | 30 | 0 | 3639 | 757 | 135 | 892 | 4531 |
| 164 | 37 | 0 | 3840 | 534 | 0 | 534 | 4374 |
| 159 | 38 | 0 | 3887 | 418 | 0 | 418 | 4305 |
| 173 | 32 | 0 | 3699 | 985 | 0 | 985 | 4684 |
| 177 | 31 | 0 | 3653 | 1029 | 42 | 1071 | 4724 |
| 170 | 33 | 0 | 3720 | 912 | 0 | 912 | 4632 |
| 177 | 30 | 0 | 3647 | 985 | 69 | 1054 | 4701 |
| 168 | 33 | 0 | 3730 | 858 | 0 | 858 | 4588 |
| 167 | 33 | 0 | 3634 | 951 | 96 | 1047 | 4621 |
| 177 | 29 | 0 | 3615 | 924 | 124 | 1048 | 4663 |
| 166 | 33 | 0 | 3739 | 786 | 0 | 786 | 4525 |
| 166 | 33 | 0 | 3743 | 760 | 0 | 760 | 4503 |
| 179 | 28 | 0 | 3577 | 887 | 181 | 1068 | 4645 |
| 175 | 31 | 0 | 3680 | 1023 | 0 | 1023 | 4703 |
| 174 | 32 | 0 | 3696 | 963 | 0 | 963 | 4659 |
| 173 | 32 | 0 | 3703 | 933 | 0 | 933 | 4636 |
| 171 | 33 | 0 | 3716 | 874 | 0 | 874 | 4590 |
| 170 | 33 | 0 | 3743 | 821 | 0 | 821 | 4564 |
| 169 | 33 | 0 | 3735 | 735 | 0 | 735 | 4470 |
| 175 | 32 | 0 | 3687 | 951 | 0 | 951 | 4638 |
| 173 | 32 | 0 | 3710 | 852 | 0 | 852 | 4562 |
| 172 | 32 | 0 | 3701 | 828 | 0 | 828 | 4529 |
| 170 | 34 | 0 | 3746 | 728 | 0 | 728 | 4474 |
| 177 | 30 | 0 | 3644 | 810 | 95 | 905 | 4549 |
| 168 | 34 | 0 | 3767 | 631 | 0 | 631 | 4398 |
| 165 | 36 | 0 | 3808 | 505 | 0 | 505 | 4313 |
| 111 | 33 | 0 | 3655 | 827 | 0 | 827 | 4482 |
| 110 | 34 | 0 | 3695 | 651 | 0 | 651 | 4346 |
| 108 | 35 | 0 | 3729 | 521 | 0 | 521 | 4250 |
| 107 | 36 | 0 | 3758 | 426 | 0 | 426 | 4184 |
| 166 | 34 | 0 | 3758 | 717 | 0 | 717 | 4475 |
| 175 | 31 | 0 | 3661 | 767 | 89 | 856 | 4517 |
| 188 | 33 | 0 | 4333 | 757 | 0 | 757 | 5090 |
| 112 | 31 | 0 | 3697 | 1067 | 0 | 1067 | 4674 |
| 108 | 35 | 0 | 3731 | 658 | 0 | 658 | 4389 |
| 113 | 30 | 0 | 3567 | 764 | 136 | 900 | 4467 |
| 109 | 32 | 0 | 3654 | 872 | 0 | 872 | 4526 |
| 113 | 30 | 0 | 3559 | 961 | 97 | 1058 | 4617 |
| 110 | 34 | 0 | 3684 | 730 | 0 | 730 | 4414 |
| 113 | 30 | 0 | 3574 | 814 | 95 | 909 | 4483 |
| 109 | 33 | 0 | 3682 | 729 | 0 | 729 | 4411 |

SERVICE: NAVY COMMUNITY: OFF

REF: OPTION: REALLOCATION OPTION:

RETIREMENT OPTION: 51 COLA 62/75% + 3% PEN 200(0)/300(E)--0--0

52 DEC 30% (1.75 MULT) NONE
53 DEC 30% (1.75 MULT) NONE
54 3% PEN 210-60-100
55 3% PEN 210-0-0
56 COLA 62/50% + 3% PEN 160-40-50
57 COLA 62/75% + 3% PEN 200(0)/300(E)--0--0
58 COLA 62/75% + 3% PEN 200(0)/300(E)--0--0
59 SS OFFSET=1.25%/YR NONE
60 VEST 22,BEFORE SHIFT NONE
61 VEST 24,BEFORE SHIFT NONE
62 VEST 30,BEFORE SHIFT NONE
63 VEST 22,AFTER SHIFT NONE
64 VEST 24,AFTER SHIFT NONE
65 VEST 30,AFTER SHIFT NONE
66 RNA
67 RNA
68 USRBA W/O LOAN
69 USRBA WITH LOAN
70 PPSSCC OSD 24B
71 PPSSCC USAF 1.9%

| SOURCE: | GAIN | MAINT | S&I | LOSS | FIXED | FORCE | RETM | EW | TOTRET | TOTAL |
|--------------|------|-------|-----|------|-------|-------|------|-----|--------|-------|
| ACOL B | 1562 | 1880 | 112 | 30 | 0 | 3584 | 803 | 90 | 893 | 4477 |
| DMSH(ACOL B) | 2205 | 1924 | 186 | 55 | 0 | 4372 | 793 | 0 | 793 | 5165 |
| DMSH(ACOL B) | 1939 | 2029 | 188 | 48 | 0 | 4204 | 863 | 138 | 1001 | 5205 |
| DMSH(ACOL B) | 2061 | 1991 | 186 | 52 | 0 | 4292 | 912 | 0 | 912 | 5204 |
| DMSH(ACOL B) | 1911 | 2045 | 188 | 47 | 0 | 4191 | 976 | 99 | 1075 | 5266 |
| DMSH(ACOL B) | 2121 | 1960 | 188 | 52 | 0 | 4321 | 861 | 0 | 861 | 5182 |
| DMSH(ACOL B) | 1947 | 2026 | 188 | 48 | 0 | 4209 | 918 | 98 | 1016 | 5225 |
| DMSH(ACOL B) | 2109 | 1971 | 188 | 53 | 0 | 4321 | 776 | 0 | 776 | 5097 |
| DMSH(ACOL B) | 1959 | 2023 | 186 | 48 | 0 | 4218 | 856 | 92 | 948 | 5166 |
| ACOL A | 1658 | 1852 | 171 | 32 | 0 | 3713 | 786 | 0 | 786 | 4499 |
| ACOL A | 1557 | 1908 | 173 | 30 | 0 | 3668 | 1058 | 0 | 1058 | 4726 |
| ACOL A | 1561 | 1915 | 171 | 30 | 0 | 3677 | 1039 | 0 | 1039 | 4716 |
| ACOL A | 1680 | 1864 | 163 | 33 | 0 | 3740 | 895 | 0 | 895 | 4635 |
| ACOL A | 1836 | 1774 | 161 | 36 | 0 | 3807 | 722 | 0 | 722 | 4529 |
| ACOL A | 1997 | 1699 | 152 | 39 | 0 | 3887 | 581 | 0 | 581 | 4468 |
| ACOL A | 2266 | 1590 | 139 | 44 | 0 | 4039 | 368 | 0 | 368 | 4407 |
| ACOL A | 1666 | 1942 | 110 | 32 | 0 | 3650 | 860 | 0 | 860 | 4510 |
| ACOL A | 1689 | 1835 | 109 | 33 | 0 | 3666 | 832 | 0 | 832 | 4498 |
| ACOL A | 1557 | 1881 | 112 | 30 | 0 | 3580 | 927 | 75 | 1002 | 4582 |
| ACOL A | 1811 | 1789 | 162 | 35 | 0 | 3797 | 375 | 0 | 375 | 4172 |
| ACOL A | 2029 | 1704 | 153 | 40 | 0 | 3926 | 232 | 0 | 232 | 4158 |

L-B-95
ATCH 4

S DELTAS FROM CASE 2

SERVICE: NAVY COMMUNITY: OFF

REALLOCATION
OPTION:

RETIREMENT
OPTION:

51 COLA 62/75% + 3% PEN 200(0)/300(E)---0--0
52 DEC 30% (1.75 MULT) NONE
53 DEC 30% (1.75 MULT) 210-60-100
54 3% PEN NONE
55 3% PEN 210--0--0
56 COLA 62/50% NONE
57 COLA 62/50% 160--40--50
58 COLA 62/75% + 3% PEN 200(0)/300(E)---0--0
59 COLA 62/75% + 3% PEN 200(0)/300(E)---0--0
60 SS OFFSET=1.25%/YR NONE
61 VEST 22,BEFORE SHIFT NONE
62 VEST 24,BEFORE SHIFT NONE
63 VEST 30,BEFORE SHIFT NONE
64 VEST 22,AFTER SHIFT NONE
65 VEST 24,AFTER SHIFT NONE
66 VEST 30,AFTER SHIFT NONE
67 RMA NONE
68 USRBA V/O LOAN NONE
69 USRBA WITH LOAN LOAN OPTION
70 PFSSCC OSD 2UB NONE
71 PFSSCC USAF 1.9% NONE

| SOURCE: | GAIN | MAIN1 | S&I | LOSS | FIXED | FORCE | REWT | EM | TOTRET | TOTAL |
|--------------|------|-------|-----|------|-------|-------|------|-----|--------|-------|
| ACOL B | -34 | 23 | -1 | -1 | 0 | -13 | -305 | 90 | -215 | -228 |
| DMSM(ACOL B) | 609 | 67 | 75 | 24 | 0 | 775 | -315 | 0 | -315 | 460 |
| DMSM(ACOL B) | 343 | 172 | 75 | 17 | 0 | 607 | -245 | 138 | -107 | 500 |
| DMSM(ACOL B) | 455 | 134 | 75 | 21 | 0 | 695 | -196 | 0 | -196 | 499 |
| DMSM(ACOL B) | 315 | 188 | 75 | 16 | 0 | 594 | -132 | 99 | -33 | 561 |
| DMSM(ACOL B) | 525 | 103 | 75 | 21 | 0 | 724 | -247 | 0 | -247 | 477 |
| DMSM(ACOL B) | 351 | 169 | 75 | 17 | 0 | 612 | -190 | 98 | -92 | 50 |
| DMSM(ACOL E) | 513 | 174 | 75 | 22 | 0 | 724 | -332 | 0 | -332 | 32 |
| DMSM(ACOL E) | 363 | 166 | 75 | 17 | 0 | 621 | -252 | 92 | -160 | 461 |
| ACOL A | 62 | -5 | 58 | 1 | 0 | 116 | -322 | 0 | -322 | -206 |
| ACOL A | -39 | 51 | 60 | -1 | 0 | 71 | -50 | 0 | -50 | 21 |
| ACOL A | -35 | 58 | 58 | -1 | 0 | 80 | -69 | 0 | -69 | 11 |
| ACOL A | 84 | 7 | 50 | 2 | 0 | 143 | -213 | 0 | -213 | -70 |
| ACOL A | 240 | -83 | 48 | 5 | 0 | 210 | -386 | 0 | -386 | -176 |
| ACOL A | 401 | -158 | 39 | 8 | 0 | 290 | -527 | 0 | -527 | -237 |
| ACOL A | 670 | -267 | 26 | 13 | 0 | 442 | -740 | 0 | -740 | -298 |
| ACOL A | 70 | -15 | -3 | 1 | 0 | 53 | -248 | 0 | -248 | -195 |
| ACOL A | 93 | -22 | -4 | 2 | 0 | 69 | -276 | 0 | -276 | -207 |
| ACOL A | -39 | 24 | -1 | -1 | 0 | -17 | -181 | 75 | -106 | -123 |
| ACOL A | 215 | -68 | 49 | 4 | 0 | 200 | -733 | 0 | -733 | -533 |
| ACOL A | 433 | -153 | 40 | 9 | 0 | 329 | -876 | 0 | -876 | -547 |

L-B-97
ATCH 4

SERVICE: NAVY COMMUNITY: OFF

RETIREMENT REALLOCATION
REF: OPTION: OPTION:

51 COLA 62/75% + 2% PEN 200(O)/300(E)--0--0
52 DEC 30% (1.75 MULT)
53 DEC 30% (1.75 MULT)
54 3% PEN
55 3% PEN
56 COLA 62/50%
57 COLA 62/50%
58 COLA 62/75% + 3% PEN
59 COLA 62/75% + 3% PEN 200(O)/300(E)--0--0
60 SS OFFSET=1.25%/YR
61 VEST 22,BEFORE SHIFT
62 VEST 24,BEFORE SHIFT
63 VEST 30,BEFORE SHIFT
64 VEST 22,AFTER SHIFT
65 VEST 24,AFTER SHIFT
66 VEST 30,AFTER SHIFT
67 RMA
68 USRBA W/O LOAN
69 USRBA WITH LOAN
70 PPSSCC CSD 24P
71 PPSSCC USAF 1.9%

SOURCE:
ACOL B
DMSM(ACOL B)
DMSM(ACOL B)
DMSM(ACOL B)
DMSM(ACOL B)
DMSM(ACOL B)
DMSM(ACOL B)
DMSM(ACOL B)
DMSM(ACOL B)
ACOL A
ACOL A
ACOL A
ACOL A
ACOL A
ACOL A
ACOL A
ACOL A
ACOL A
ACOL A
ACOL A
ACOL A

GAIN MAINT
-2 1
38 4
21 9
29 7
20 10
33 6
22 9
32 6
23 9
4 0
-2 3
-2 3
5 0
15 -4
25 -9
42 -14
4 4
6 6
-2 1
13 1
27 -8

SEI
-1
66
66
66
66
66
66
66
66
51
51
51
44
42
35
23
-3
-1
-1
43
35

LOSS
-3
77
55
68
52
68
55
71
55
55
-3
-3
-3
16
26
42
3
6
-3
13
29

FIXED
0
0
0
0
0
0
0
0
0
0
0
0
0
0
0
0
0
0
0
0
0
0

FORCE
0
22
17
19
17
20
17
20
17
17
3
2
4
6
8
12
1
2
0
0
6
9

RETMT
-28
-28
-22
-18
-12
-22
-17
-30
-23
-29
-5
-6
-19
-35
-48
-67
-22
-25
-16
-66
-79

EW TOTRET

0

0

0

0

0

0

0

0

0

0

0

0

TOTAL
-5
10
11
11
12
10
11
8
10
-4
0
0
-1
-4
-5
-6
-4
-4
-3
-11
-12

% DELTAS FROM CASE 2

L-B-99
ATCH 4

SERVICE: NAVY COMMUNITY: ENL

| | | |
|--------------|------------|--------------|
| REF: OPTION: | RETIREMENT | REALLOCATION |
| OPTION: | OPTION: | OPTION: |

| REF: | RETIREMENT
OPTION: | RELOCATION
OPTION: | SOURCE: | GAIN | MAINT | S&I | LOSS | FIXED | FORCE | REMT | EW | TOTRET | TOTAL |
|------|------------------------|-----------------------|----------|------|-------|-----|------|-------|-------|------|-----|--------|-------|
| 2 | TERM PAY | NONE | ACOL A/B | 507 | 7033 | 489 | 122 | 0 | 8151 | 2218 | 0 | 2218 | 10369 |
| 3 | HIGH 3 | NONE | ACOL A | 512 | 6993 | 486 | 123 | 0 | 8114 | 2093 | 0 | 2093 | 10207 |
| 4 | DEC 10% | NONE | ACOL A | 523 | 6929 | 476 | 126 | 0 | 8054 | 1755 | 0 | 1755 | 9809 |
| 5 | DEC 20% | NONE | ACOL A | 535 | 6868 | 466 | 129 | 0 | 7998 | 1448 | 0 | 1448 | 9446 |
| 6 | DEC 30%
150--30--70 | NONE | ACOL A | 508 | 7018 | 489 | 122 | 0 | 8137 | 1710 | 168 | 1878 | 10015 |
| 7 | DEC 30% | NONE | ACOL A | 546 | 6812 | 456 | 131 | 0 | 7945 | 1168 | 0 | 1168 | 9113 |
| 8 | DEC 30% | 210--0--0 | ACOL A | 512 | 6963 | 487 | 123 | 0 | 8085 | 1456 | 215 | 1671 | 9756 |
| 9 | DEC 30% | 210--60--100 | ACOL A | 506 | 7048 | 480 | 122 | 0 | 8166 | 1516 | 249 | 1765 | 9931 |
| 10 | DEC 40% | NONE | ACOL A | 554 | 6766 | 448 | 133 | 0 | 7901 | 923 | 0 | 923 | 8824 |
| 11 | DEC 50% | NONE | ACOL A | 562 | 6725 | 442 | 135 | 0 | 7864 | 707 | 0 | 707 | 8571 |
| 12 | 1% PENALTY | NONE | ACOL A | 521 | 6958 | 477 | 125 | 0 | 8081 | 1856 | 0 | 1856 | 9937 |
| 13 | 1% PEN | 90--0--0 | ACOL A | 506 | 7026 | 490 | 122 | 0 | 8144 | 2020 | 92 | 2112 | 10256 |
| 14 | 2% PEN | NONE | ACOL A | 530 | 6921 | 468 | 128 | 0 | 8047 | 1637 | 0 | 1637 | 9684 |
| 15 | 2% PEN | 150--0--0 | ACOL A | 506 | 7039 | 490 | 122 | 0 | 8157 | 1897 | 152 | 2049 | 10206 |
| 16 | 3% PEN | NONE | ACOL A | 540 | 6884 | 459 | 130 | 0 | 8013 | 1438 | 0 | 1438 | 9451 |
| 17 | 3% PEN | 210--0--0 | ACOL A | 505 | 7053 | 490 | 122 | 0 | 8170 | 1783 | 211 | 1994 | 10164 |
| 18 | 4% PEN | NONE | ACOL A | 544 | 6867 | 455 | 131 | 0 | 7997 | 1289 | 0 | 1289 | 9286 |
| 19 | 4% PEN | 270--0--0 | ACOL A | 504 | 7068 | 491 | 121 | 0 | 8184 | 1678 | 270 | 1948 | 10132 |
| 20 | 5% PEN | NONE | ACOL A | 544 | 6872 | 455 | 131 | 0 | 8002 | 1198 | 0 | 1198 | 9200 |
| 21 | 6% PEN | NONE | ACOL A | 542 | 6892 | 455 | 131 | 0 | 8020 | 1153 | 0 | 1153 | 9173 |
| 22 | 6% PEN | 390--0--0 | ACOL A | 489 | 7173 | 502 | 118 | 0 | 8282 | 1614 | 398 | 2012 | 10294 |
| 23 | COLA 30/90% | NONE | ACOL A | 515 | 6979 | 483 | 124 | 0 | 8101 | 1980 | 0 | 1980 | 10081 |
| 24 | COLA 30/75% | NONE | ACOL A | 520 | 6959 | 478 | 125 | 0 | 8082 | 1821 | 0 | 1821 | 9903 |
| 25 | COLA 30/67% | NONE | ACOL A | 522 | 6948 | 476 | 126 | 0 | 8072 | 1742 | 0 | 1742 | 9814 |
| 26 | COLA 30/50% | NONE | ACOL A | 527 | 6926 | 471 | 127 | 0 | 8051 | 1585 | 0 | 1585 | 9636 |
| 27 | COLA 30/33% | NONE | ACOL A | 532 | 6904 | 467 | 128 | 0 | 8031 | 1444 | 0 | 1444 | 9475 |
| 28 | COLA 30/0% | NONE | ACOL A | 540 | 6864 | 459 | 130 | 0 | 7993 | 1209 | 0 | 1209 | 9202 |
| 29 | COLA 62/90% | NONE | ACOL A | 517 | 6964 | 481 | 124 | 0 | 8086 | 1846 | 0 | 1846 | 9932 |
| 30 | COLA 62/75% | NONE | ACOL A | 525 | 6924 | 474 | 126 | 0 | 8049 | 1582 | 0 | 1582 | 9631 |
| 31 | COLA 62/67% | NONE | ACOL A | 528 | 6905 | 471 | 127 | 0 | 8031 | 1481 | 0 | 1481 | 9512 |
| 32 | COLA 62/50% | NONE | ACOL A | 536 | 6867 | 465 | 129 | 0 | 7997 | 1235 | 0 | 1235 | 9232 |
| 33 | COLA 62/33% | 160--40--50 | ACOL A | 506 | 7033 | 490 | 122 | 0 | 8151 | 1514 | 180 | 1694 | 9845 |
| 34 | COLA 62/33% | NONE | ACOL A | 542 | 6835 | 459 | 130 | 0 | 7966 | 1051 | 0 | 1051 | 9017 |
| 35 | COLA 62/0% | NONE | ACOL A | 551 | 6787 | 451 | 133 | 0 | 7922 | 787 | 0 | | |

L-E-100
ATCH 4

SERVICE: NAVY COMMUNITY: ENL

RETIREMENT
REF: OPTION:

REALLOCATION
OPTION:

51 COLA 62/75% + 3% PEN 200(0)/300(E)--0--0
52 DEC 30% (1.75 MULT) NONE
53 DEC 30% (1.75 MULT) 210-60-100
54 3% PEN NONE
55 3% PEN 210--0--0
56 COLA 62/50% NONE
57 COLA 62/50% 160--40--50
58 COLA 62/75% + 3% PEN NONE
59 COLA 62/75% + 3% PEN 200(0)/300(E)--0--0
60 SS OFFSET=1.25%/YR NONE
61 VEST 22,BEFORE SHIFT NONE
62 VEST 24,BEFORE SHIFT NONE
63 VEST 30,BEFORE SHIFT NONE
64 VEST 22,AFTER SHIFT NONE
65 VEST 24,AFTER SHIFT NONE
66 VEST 30,AFTER SHIFT NONE
67 RMA NONE
68 USRBA W/O LOAN NONE
69 USRBA WITH LOAN LOAN OPTION
70 PPSSCC OSD 248 NONE
71 PPSSCC USAF 1.9% NONE

| SOURCE: | GAIN | MAINT | S&I | LOSS | FIXED | FORCE | REMT | EW TOTRET | TOTAL |
|--------------|------|-------|-----|------|-------|-------|------|-----------|-------|
| ACOL B | 498 | 7074 | 497 | 120 | 0 | 8189 | 1525 | 316 | 1842 |
| DMSM(ACOL B) | 764 | 5715 | 484 | 132 | 0 | 8095 | 1280 | 0 | 1280 |
| DMSM(ACOL B) | 721 | 7003 | 484 | 124 | 0 | 8332 | 1591 | 264 | 1855 |
| DMSM(ACOL B) | 748 | 6824 | 484 | 130 | 0 | 8186 | 1418 | 0 | 1418 |
| DMSM(ACOL B) | 718 | 6995 | 484 | 123 | 0 | 8320 | 1673 | 216 | 1889 |
| DMSM(ACOL B) | 753 | 6779 | 484 | 130 | 0 | 8146 | 1292 | 0 | 1292 |
| DMSM(ACOL B) | 723 | 6975 | 484 | 124 | 0 | 8306 | 1534 | 189 | 1723 |
| DMSM(ACOL B) | 758 | 6756 | 484 | 131 | 0 | 8129 | 1075 | 0 | 1075 |
| DMSM(ACOL B) | 715 | 6992 | 484 | 123 | 0 | 8314 | 1431 | 320 | 1751 |
| ACOL A | 528 | 6934 | 470 | 127 | 0 | 8059 | 1393 | 0 | 1393 |
| ACOL A | 513 | 7082 | 480 | 123 | 0 | 8173 | 2059 | 0 | 2059 |
| ACOL A | 514 | 7121 | 475 | 124 | 0 | 8234 | 2025 | 0 | 2025 |
| ACOL A | 527 | 7093 | 462 | 127 | 0 | 8209 | 1827 | 0 | 1827 |
| ACOL A | 567 | 6713 | 432 | 136 | 0 | 7848 | 1007 | 0 | 1007 |
| ACOL A | 585 | 6612 | 417 | 141 | 0 | 7755 | 625 | 0 | 625 |
| ACOL A | 598 | 6542 | 405 | 144 | 0 | 7689 | 355 | 0 | 355 |
| ACOL A | 528 | 6929 | 470 | 127 | 0 | 8054 | 1627 | 0 | 1627 |
| ACOL A | 527 | 5932 | 471 | 127 | 0 | 8057 | 1729 | 0 | 1729 |
| ACOL A | 507 | 7035 | 488 | 122 | 0 | 8152 | 1862 | 164 | 2026 |
| ACOL A | 559 | 6769 | 442 | 135 | 0 | 7905 | 401 | 0 | 401 |
| ACOL A | 566 | 6728 | 437 | 136 | 0 | 7867 | 401 | 0 | 401 |

L-B-101
ATCH 4

SERVICE: NAVY COMMUNITY: ENL

\$ DELIAS FROM CASE 2

REF: OPTION: RETIREMENT REALLOCATION OPTION:

| 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | | |
|-----------|--------|---------|---------|---------|-------------|---------|-----------|--------------|---------|---------|------------|----------|--------|-----------|--------|-----------|--------|--------|--------|--------|--------|-------------|-------------|-------------|-------------|-------------|------------|-------------|-------------|-------------|-------------|-------------|-------------|------------|---------------|---------------|---------------|--------------|----------------------|----------------------|----------------------|--------|----------------------|----------------------|--------|-------------|-------------|----------------------|------|------|
| TERM PAY | HIGH 3 | DEC 10% | DEC 20% | DEC 20% | DEC 20% | DEC 30% | DEC 30% | DEC 30% | DEC 40% | DEC 50% | 1% PENALTY | 1% PEN | 2% PEN | 2% PEN | 3% PEN | 3% PEN | 4% PEN | 4% PEN | 5% PEN | 6% PEN | 6% PEN | COLA 30/90% | COLA 30/75% | COLA 30/67% | COLA 30/50% | COLA 30/33% | COLA 30/0% | COLA 62/90% | COLA 62/75% | COLA 62/67% | COLA 62/50% | COLA 62/50% | COLA 62/33% | COLA 62/0% | COLA LIFE/75% | COLA LIFE/50% | COLA LIFE/25% | COLA LIFE/0% | COLA 62/75% + 3% PEN | COLA 62/75% + 3% PEN | COLA 62/67% + 3% PEN | HIGH 3 | DEC 30% (1.75 MULTI) | DEC 30% (1.75 MULTI) | 3% PEN | COLA 62/50% | COLA 62/50% | COLA 62/75% + 3% PEN | | |
| NONE | NONE | NONE | NONE | NONE | 150--30--70 | NONE | 210--0--0 | 210--60--100 | NONE | NONE | NONE | 90--0--0 | NONE | 150--0--0 | NONE | 210--0--0 | NONE | NONE | NONE | NONE | NONE | NONE | NONE | NONE | NONE | NONE | NONE | NONE | NONE | NONE | NONE | NONE | NONE | NONE | NONE | NONE | NONE | NONE | NONE | NONE | NONE | NONE | NONE | NONE | NONE | NONE | NONE | NONE | NONE | NONE |
| 507 | 5 | 16 | 28 | 1 | 39 | 5 | 47 | 55 | 14 | 11 | 23 | 33 | 37 | 37 | 35 | 18 | 13 | 15 | 20 | 25 | 33 | 10 | 18 | 21 | 29 | -1 | 35 | 44 | 19 | 30 | 40 | 47 | 41 | -6 | 260 | 4 | 39 | -3 | 24 | -7 | 29 | -1 | 34 | | | | | | | |
| GAIN | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MAINT | 7033 | -40 | -104 | -165 | -15 | -221 | -70 | -267 | -308 | -47 | -112 | -149 | -166 | -161 | -141 | 140 | -54 | -74 | -85 | -107 | -129 | -169 | -69 | -109 | -128 | -166 | 0 | -198 | -246 | -112 | -173 | -221 | -260 | -205 | 23 | -329 | -33 | -222 | 27 | -110 | 45 | -164 | 4 | -173 | | | | | | |
| SAI | 489 | -3 | -13 | -23 | 0 | -33 | -2 | -41 | -47 | -12 | -21 | -30 | -34 | -34 | -34 | 13 | -6 | -11 | -13 | -18 | -22 | -30 | -8 | -15 | -18 | -24 | 1 | -30 | -38 | -16 | -26 | -34 | -41 | 6 | -5 | -3 | -34 | 2 | -23 | 5 | -25 | 1 | -31 | | | | | | | |
| LOSS | 122 | 1 | 4 | 7 | 0 | 9 | 1 | 11 | 13 | 3 | 6 | 8 | 9 | 9 | -4 | 13 | 2 | 3 | 4 | 5 | 6 | 8 | 2 | 4 | 5 | 7 | 0 | 8 | 11 | 5 | 7 | 10 | 11 | 1 | 11 | 10 | -1 | 6 | -2 | 7 | 0 | 0 | 8 | | | | | | | |
| FIXED | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | |
| FORCE | 8151 | -37 | -97 | -153 | -14 | -206 | -66 | 15 | -250 | -287 | -70 | -138 | -19 | -69 | -100 | -120 | -50 | -69 | -79 | -107 | -129 | -158 | -65 | -102 | -120 | -154 | 0 | -185 | -229 | -104 | -162 | -205 | -243 | 22 | -63 | -31 | -207 | 25 | -103 | 41 | -153 | 4 | -162 | | | | | | | |
| REMT | 2218 | -125 | -463 | -770 | -508 | -1050 | -762 | -702 | -1295 | -1511 | -362 | -780 | -435 | -397 | -476 | -633 | -238 | -397 | -476 | -633 | -774 | -1009 | -372 | -636 | -737 | -983 | -704 | -1167 | -1431 | -675 | -1055 | -1319 | -1508 | -1112 | -742 | -1196 | -119 | -1055 | -691 | -726 | -403 | -701 | -1072 | | | | | | | |
| EW TOTRET | 0 | 0 | 0 | 168 | 0 | 215 | 249 | 0 | 0 | 0 | 92 | 152 | 211 | 270 | 0 | 398 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 180 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 252 | 0 | 213 | 181 | 0 | | | | | | | | | |
| TOTAL | 10369 | -162 | -560 | -923 | -354 | -1256 | -613 | -438 | -1545 | -1798 | -432 | -918 | -1083 | -237 | -1169 | -1196 | -75 | -288 | -555 | -733 | -894 | -1167 | -437 | -738 | -857 | -1137 | -524 | -1167 | -1660 | -779 | -1217 | -1524 | -1751 | -1303 | -406 | -1259 | -150 | -1262 | -414 | -829 | -149 | -1122 | -516 | -1234 | | | | | | |

L-B-102
ATCH 4

\$ DELTAS FROM CASE 2

SERVICE: NAVY COMMUNITY: ENL

REF: RETIREMENT REALLOCATION
OPTION:

51 COLA 62/75% + 3% PEN 200(0)/300(E)---0--0
52 DEC 30% (1.75 MULT) NONE
53 DEC 30% (1.75 MULT) 210-60-100
54 3% PEN NONE
55 3% PEN 210-0--0
56 COLA 62/50% NONE
57 COLA 62/50% 160--40--50
58 COLA 62/75% + 3% PEN 200(0)/300(E)---0--0
59 COLA 62/75% + 3% PEN 200(0)/300(E)---0--0
60 SS OFFSET=1.25%/YR NONE
61 VEST 22,BEFORE SHIFT NONE
62 VEST 24,BEFORE SHIFT NONE
63 VEST 30,BEFORE SHIFT NONE
64 VEST 22,AFTER SHIFT NONE
65 VEST 24,AFTER SHIFT NONE
66 VEST 30,AFTER SHIFT NONE
67 RNA
68 USRBA W/O LOAN
69 USRBA WITH LOAN
70 PPSSCC OSD 248
71 PPSSCC USAF 1.9% NONE

| SOURCE: | GAIN | MAINT | S&I | LOSS | FIXED | FORCE | RETIM | EW | TOTRET | TOTAL |
|--------------|------|-------|-----|------|-------|-------|-------|-----|--------|-------|
| ACOL B | -9 | 41 | 8 | -2 | 0 | 38 | -592 | 316 | -376 | -338 |
| DMSM(ACOL B) | 257 | -318 | -5 | 10 | 0 | -56 | -938 | 0 | -938 | -994 |
| DMSM(ACOL B) | 214 | -30 | -5 | 2 | 0 | 181 | -627 | 264 | -363 | -182 |
| DMSM(ACOL B) | 241 | -209 | -5 | 8 | 0 | 35 | -800 | 0 | -800 | -765 |
| DMSM(ACOL B) | 211 | -38 | -5 | 1 | 0 | 169 | -545 | 216 | -329 | -160 |
| DMSM(ACOL B) | 246 | -254 | -5 | 8 | 0 | -5 | -926 | 0 | -926 | -931 |
| DMSM(ACOL B) | 216 | -58 | -5 | 2 | 0 | 155 | -684 | 189 | -495 | -340 |
| DMSM(ACOL B) | 251 | -277 | -5 | 9 | 0 | -22 | -1143 | 0 | -1143 | -1165 |
| DMSM(ACOL B) | 208 | -41 | -5 | 1 | 0 | 163 | -787 | 320 | -467 | -304 |
| ACOL A | 21 | -99 | -19 | 5 | 0 | -92 | -825 | 0 | -825 | -917 |
| ACOL A | 6 | 29 | -9 | 1 | 0 | 27 | -159 | 0 | -159 | -132 |
| ACOL A | 7 | 88 | -14 | 2 | 0 | 83 | -193 | 0 | -193 | -110 |
| ACOL A | 20 | 60 | -27 | 5 | 0 | 58 | -391 | 0 | -391 | -333 |
| ACOL A | 60 | -320 | -57 | 14 | 0 | -303 | -1211 | 0 | -1211 | -1514 |
| ACOL A | 78 | -421 | -72 | 19 | 0 | -396 | -1593 | 0 | -1593 | -1989 |
| ACOL A | 91 | -491 | -84 | 22 | 0 | -452 | -1863 | 0 | -1863 | -2325 |
| ACOL A | 21 | -104 | -19 | 5 | 0 | -97 | -591 | 0 | -591 | -688 |
| ACOL A | 20 | -101 | -18 | 5 | 0 | -94 | -489 | 0 | -489 | -583 |
| ACOL A | 0 | 2 | -1 | 0 | 0 | 1 | -356 | 164 | -192 | -191 |
| ACOL A | 52 | -264 | -47 | 13 | 0 | -246 | -1817 | 0 | -1817 | -2063 |
| ACOL A | 59 | -305 | -52 | 14 | 0 | -284 | -1817 | 0 | -1817 | -2101 |

L-B-103
ATCH 4

% DELTAS FROM CASE 2

SERVICE: NAVY COMMUNITY: ERL

RETIREMENT REALLOCATION
REF: OPTION:

| 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | | |
|----------|--------|---------|---------|-------------|---------|-----------|--------------|---------|---------|---------|------------|--------|-----------|--------|-----------|--------|-----------|--------|--------|-----------|--------|--------|--------|--------|--------|--------|-------|--------|--------|--------|--------|--------|-------|----------|----------|----------|---------|-----------------|-----------------|-----------------|--------|---------------------|---------------------|--------|--------|--------|--------|-----------------|------|------|
| TERM PAY | HIGH 3 | DEC 10% | DEC 20% | DEC 20% | DEC 20% | DEC 30% | DEC 30% | DEC 30% | DEC 40% | DEC 50% | 1% PENALTY | 1% PEN | 2% PEN | 2% PEN | 3% PEN | 3% PEN | 4% PEN | 4% PEN | 5% PEN | 6% PEN | 6% PEN | 30/90% | 30/75% | 30/67% | 30/50% | 30/33% | 30/0% | 62/90% | 62/75% | 62/67% | 62/50% | 62/33% | 62/0% | LIFE/75% | LIFE/50% | LIFE/25% | LIFE/0% | 62/75% + 3% PEN | 62/75% + 3% PEN | 62/75% + 3% PEN | HIGH 3 | DEC 30% (1.75 MULT) | DEC 30% (1.75 MULT) | 3% PEN | 3% PEN | 62/50% | 62/50% | 62/75% + 3% PEN | | |
| NONE | NONE | NONE | NONE | 150--30--70 | NONE | 210--0--0 | 210--60--100 | NONE | NONE | NONE | 90--0--0 | NONE | 150--0--0 | NONE | 210--0--0 | NONE | 270--0--0 | NONE | NONE | 390--0--0 | NONE | NONE | NONE | NONE | NONE | NONE | NONE | NONE | NONE | NONE | NONE | NONE | NONE | NONE | NONE | NONE | NONE | NONE | NONE | NONE | NONE | NONE | NONE | NONE | NONE | NONE | NONE | NONE | NONE | NONE |
| 507 | 1 | 3 | 6 | 0 | 8 | 1 | 0 | 9 | 11 | 3 | 0 | 5 | 0 | 7 | 0 | 7 | 7 | 7 | 7 | 4 | 3 | 3 | 3 | 4 | 5 | 7 | 2 | 4 | 4 | 6 | 0 | 0 | 9 | 4 | 6 | 8 | 9 | 8 | 1 | 51 | 8 | 1 | 5 | 1 | 6 | 7 | | | | |
| GAIN | MAINT | S&I | LOSS | FIXED | FORCE | RETRT | EM TOTRET | TOTAL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7033 | 489 | 122 | 0 | 8151 | 2218 | 0 | 2218 | 10369 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | -1 | -1 | 3 | 0 | -1 | 0 | -6 | -2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | -3 | 3 | 6 | 0 | -2 | 0 | -21 | -5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | 0 | 0 | 0 | 0 | 0 | 0 | -35 | -9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | -3 | 8 | 7 | 0 | -3 | 0 | -47 | -12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | -1 | 1 | 1 | 0 | -1 | 0 | -34 | -6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | -32 | -4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | -4 | 9 | 9 | 0 | -3 | 0 | -58 | -15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -4 | -10 | 11 | 11 | 0 | -4 | 0 | -68 | -17 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -1 | -2 | 3 | 2 | 0 | -1 | 0 | -16 | -4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | -9 | -1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | -2 | 5 | 5 | 0 | -1 | 0 | -26 | -2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | -14 | -2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | -2 | 7 | 7 | 0 | -2 | 0 | -35 | -9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | -20 | -10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -2 | -7 | 0 | 0 | 0 | -2 | 0 | -42 | -12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | -24 | -11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -2 | -7 | 7 | 7 | 0 | -2 | 0 | -46 | -12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -2 | -7 | 7 | 7 | 0 | -2 | 0 | -48 | -12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -2 | -7 | 7 | 7 | 0 | -2 | 0 | -48 | -12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -2 | -7 | 7 | 7 | 0 | -2 | 0 | -48 | -12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -2 | -7 | 7 | 7 | 0 | -2 | 0 | -48 | -12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -2 | -7 | 7 | 7 | 0 | -2 | 0 | -48 | -12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -2 | -7 | 7 | 7 | 0 | -2 | 0 | -48 | -12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -2 | -7 | 7 | 7 | 0 | -2 | 0 | -48 | -12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -2 | -7 | 7 | 7 | 0 | -2 | 0 | -48 | -12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -2 | -7 | 7 | 7 | 0 | -2 | 0 | -48 | -12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -2 | -7 | 7 | 7 | 0 | -2 | 0 | -48 | -12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -2 | -7 | 7 | 7 | 0 | -2 | 0 | -48 | -12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -2 | -7 | 7 | 7 | 0 | -2 | 0 | -48 | -12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -2 | -7 | 7 | 7 | 0 | -2 | 0 | -48 | -12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -2 | -7 | 7 | 7 | 0 | -2 | 0 | -48 | -12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -2 | -7 | 7 | 7 | 0 | -2 | 0 | -48 | -12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -2 | -7 | 7 | 7 | 0 | -2 | 0 | -48 | -12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -2 | -7 | 7 | 7 | 0 | -2 | 0 | -48 | -12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -2 | -7 | 7 | 7 | 0 | -2 | 0 | -48 | -12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -2 | -7 | 7 | 7 | 0 | -2 | 0 | -48 | -12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -2 | -7 | 7 | 7 | 0 | -2 | 0 | -48 | -12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -2 | -7 | 7 | 7 | 0 | -2 | 0 | -48 | -12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -2 | -7 | 7 | 7 | 0 | -2 | 0 | -48 | -12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -2 | -7 | 7 | 7 | 0 | -2 | 0 | -48 | -12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -2 | -7 | 7 | 7 | 0 | -2 | 0 | -48 | -12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -2 | -7 | 7 | 7 | 0 | -2 | 0 | -48 | -12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -2 | -7 | 7 | 7 | 0 | -2 | 0 | -48 | -12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -2 | -7 | 7 | 7 | 0 | -2 | 0 | -48 | -12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -2 | -7 | 7 | 7 | 0 | -2 | 0 | -48 | -12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -2 | -7 | 7 | 7 | 0 | -2 | 0 | -48 | -12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -2 | -7 | 7 | 7 | 0 | -2 | 0 | -48 | -12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

% DELTAS FROM CASE 2

SERVICE: NAVY COMMUNITY: ENL

RETIREMENT REALLOCATION
OPTION: OPTION:

| REF: | OPTION: | SOURCE: | GAIN | MAINT | S-I | LOSS | FIXED | FORCE | RETM | EW TOTRET | TOTAL |
|------|--|--------------|------|-------|-----|------|-------|-------|------|-----------|-------|
| 51 | COLA 62/75% + 3% PEN 200(0)/300(E)--0--0 | ACOL B | -2 | 1 | 2 | -2 | 0 | 0 | -31 | ***** | -17 |
| 52 | DEC 30% (1.75 MULT) | DHSM(ACOL B) | 51 | -5 | -1 | 8 | 0 | -1 | -42 | 0 | -10 |
| 53 | DEC 30% (1.75 MULT) | DHSM(ACOL B) | 42 | 0 | -1 | 2 | 0 | 2 | -28 | ***** | -2 |
| 54 | 3% PEN | DHSM(ACOL B) | 48 | -3 | -1 | 7 | 0 | 0 | -36 | 0 | -7 |
| 55 | 3% PEN | DHSM(ACOL B) | 42 | -1 | -1 | 1 | 0 | 2 | -25 | ***** | -15 |
| 56 | COLA 62/50% | DHSM(ACOL B) | 49 | -4 | -1 | 7 | 0 | 0 | -42 | 0 | -9 |
| 57 | COLA 62/50% | DHSM(ACOL B) | 43 | -1 | -1 | 2 | 0 | 2 | -31 | ***** | -3 |
| 58 | COLA 62/75% + 3% PEN 160--h0--50 | DHSM(ACOL B) | 50 | -4 | -1 | 7 | 0 | 0 | -52 | 0 | -11 |
| 59 | COLA 62/75% + 3% PEN 200(0)/300(E)--0--0 | DHSM(ACOL B) | 41 | -1 | -1 | 1 | 0 | 2 | -35 | ***** | -21 |
| 60 | SS OFFSET=1.25%/YR | ACOL A | 4 | -1 | -4 | 4 | 0 | -1 | -37 | 0 | -9 |
| 61 | VEST 22,BEFORE SHIFT | ACOL A | 1 | 0 | -2 | 1 | 0 | 0 | -7 | 0 | -1 |
| 62 | VEST 24,BEFORE SHIFT | ACOL A | 1 | 1 | -3 | 2 | 0 | 1 | -9 | 0 | -1 |
| 63 | VEST 30,BEFORE SHIFT | ACOL A | 4 | 1 | -6 | 4 | 0 | 1 | -18 | 0 | -3 |
| 64 | VEST 22,AFTER SHIFT | ACOL A | 12 | -5 | -12 | 11 | 0 | -4 | -55 | 0 | -15 |
| 65 | VEST 24,AFTER SHIFT | ACOL A | 15 | -6 | -15 | 16 | 0 | -5 | -72 | 0 | -19 |
| 66 | VEST 30,AFTER SHIFT | ACOL A | 18 | -7 | -17 | 18 | 0 | -6 | -84 | 0 | -22 |
| 67 | RMA | ACOL A | 4 | -1 | -4 | 4 | 0 | -1 | -27 | 0 | -7 |
| 68 | USRBA W/O LOAN | ACOL A | 4 | -1 | -4 | 4 | 0 | -1 | -22 | 0 | -6 |
| 69 | USRBA WITH LOAN | ACOL A | 0 | 0 | 0 | 0 | 0 | 0 | -16 | ***** | -2 |
| 70 | PPSSCC OSD 24B | ACOL A | 10 | -4 | -10 | 11 | 0 | -3 | -82 | 0 | -20 |
| 71 | PPSSCC USAF 1.9% | ACOL A | 12 | -4 | -11 | 11 | 0 | -3 | -82 | 0 | -20 |

L-B-105
ATCH 4

SERVICE: NAVY COMMUNITY: BOTH

RETIREMENT
REF: OPTION:REALLOCATION
OPTION:

COSTS IN \$ MILLIONS

| | TERM PAY | RETIREMENT | REALLOCATION | SOURCE: | GAIN | MAINT | SEI | LOSS | FIXED | FORCE | RENT | EM | TOTRET | TOTAL |
|----|----------------------|------------|--------------|----------|------|-------|-----|------|-------|-------|------|-----|--------|-------|
| 2 | HIGH 3 | NONE | NONE | ACOL A/B | 2103 | 8890 | 602 | 153 | 0 | 11748 | 3326 | 0 | 3326 | 15074 |
| 3 | DEC 10% | NONE | NONE | ACOL A | 2113 | 8854 | 662 | 154 | 0 | 11783 | 3159 | 0 | 3159 | 14942 |
| 4 | DEC 20% | NONE | NONE | ACOL A | 2190 | 8763 | 650 | 159 | 0 | 11762 | 2680 | 0 | 2680 | 14442 |
| 5 | DEC 20% | NONE | NONE | ACOL A | 2272 | 8676 | 637 | 163 | 0 | 11748 | 2236 | 0 | 2236 | 13984 |
| 6 | DEC 20% | NONE | 150--30--70 | ACOL A | 2089 | 8684 | 666 | 153 | 0 | 11792 | 2569 | 258 | 2827 | 14619 |
| 7 | DEC 30% | NONE | NONE | ACOL A | 2357 | 8591 | 623 | 166 | 0 | 11737 | 1825 | 0 | 1825 | 13562 |
| 8 | DEC 30% | NONE | 210--0--0 | ACOL A | 2136 | 8799 | 665 | 155 | 0 | 11755 | 2204 | 314 | 2518 | 14273 |
| 9 | DEC 30% | NONE | 210--60--100 | ACOL A | 2058 | 8928 | 667 | 152 | 0 | 11805 | 2273 | 384 | 2657 | 14462 |
| 10 | DEC 40% | NONE | NONE | ACOL A | 2442 | 8517 | 612 | 170 | 0 | 11741 | 1457 | 0 | 1457 | 13198 |
| 11 | DEC 50% | NONE | NONE | ACOL A | 2530 | 8447 | 601 | 173 | 0 | 11751 | 1125 | 0 | 1125 | 12876 |
| 12 | 1% PENALTY | NONE | NONE | ACOL A | 2161 | 8812 | 650 | 157 | 0 | 11780 | 2841 | 0 | 2841 | 14621 |
| 13 | 1% PEN | NONE | 90--0--0 | ACOL A | 2073 | 8904 | 667 | 153 | 0 | 11797 | 3049 | 134 | 3183 | 14980 |
| 14 | 2% PEN | NONE | NONE | ACOL A | 2200 | 8768 | 638 | 161 | 0 | 11767 | 2549 | 0 | 2549 | 14316 |
| 15 | 2% PEN | NONE | 150--0--0 | ACOL A | 2058 | 8927 | 667 | 152 | 0 | 11804 | 2882 | 221 | 3103 | 14907 |
| 16 | 3% PEN | NONE | NONE | ACOL A | 2226 | 8727 | 627 | 163 | 0 | 11743 | 2296 | 0 | 2296 | 14039 |
| 17 | 3% PEN | NONE | 210--0--0 | ACOL A | 2032 | 8953 | 667 | 152 | 0 | 11804 | 2734 | 307 | 3041 | 14845 |
| 18 | 4% PEN | NONE | NONE | ACOL A | 2238 | 8709 | 622 | 164 | 0 | 11733 | 2049 | 0 | 2049 | 13782 |
| 19 | 4% PEN | NONE | 270--0--0 | ACOL A | 1999 | 8982 | 668 | 150 | 0 | 11799 | 2602 | 394 | 2996 | 14795 |
| 20 | 5% PEN | NONE | NONE | ACOL A | 2243 | 8713 | 621 | 164 | 0 | 11741 | 1984 | 0 | 1984 | 13725 |
| 21 | 6% PEN | NONE | NONE | ACOL A | 2249 | 8729 | 621 | 164 | 0 | 11763 | 1913 | 0 | 1913 | 13676 |
| 22 | 6% PEN | NONE | 390--0--0 | ACOL A | 1914 | 9118 | 681 | 146 | 0 | 11859 | 2501 | 579 | 3089 | 14939 |
| 23 | COLA 30/90% | NONE | NONE | ACOL A | 2131 | 8837 | 658 | 155 | 0 | 11781 | 3003 | 0 | 3003 | 14784 |
| 24 | COLA 30/75% | NONE | NONE | ACOL A | 2157 | 8812 | 652 | 157 | 0 | 11778 | 2784 | 0 | 2784 | 14562 |
| 25 | COLA 30/67% | NONE | NONE | ACOL A | 2170 | 8798 | 649 | 158 | 0 | 11775 | 2675 | 0 | 2675 | 14150 |
| 26 | COLA 30/50% | NONE | NONE | ACOL A | 2195 | 8770 | 642 | 160 | 0 | 11767 | 2459 | 0 | 2459 | 14226 |
| 27 | COLA 30/33% | NONE | NONE | ACOL A | 2234 | 8742 | 637 | 161 | 0 | 11774 | 2265 | 0 | 2265 | 14039 |
| 28 | COLA 30/0% | NONE | NONE | ACOL A | 2242 | 8695 | 628 | 163 | 0 | 11728 | 1944 | 0 | 1944 | 13672 |
| 29 | COLA 62/90% | NONE | NONE | ACOL A | 2145 | 8816 | 656 | 156 | 0 | 11773 | 2797 | 0 | 2797 | 14570 |
| 30 | COLA 62/75% | NONE | NONE | ACOL A | 2192 | 8762 | 647 | 158 | 0 | 11759 | 2434 | 0 | 2434 | 14133 |
| 31 | COLA 62/67% | NONE | NONE | ACOL A | 2195 | 8735 | 643 | 159 | 0 | 11732 | 2309 | 0 | 2309 | 14041 |
| 32 | COLA 62/50% | NONE | NONE | ACOL A | 2263 | 8682 | 635 | 163 | 0 | 11743 | 1963 | 0 | 1963 | 13706 |
| 33 | COLA 62/33% | NONE | 160--40--50 | ACOL A | 2062 | 8914 | 667 | 152 | 0 | 11795 | 2324 | 275 | 2559 | 14394 |
| 34 | COLA 62/0% | NONE | NONE | ACOL A | 2307 | 8635 | 627 | 164 | 0 | 11733 | 1682 | 0 | 1682 | 13415 |
| 35 | COLA 62/0% | NONE | NONE | ACOL A | 2382 | 8563 | 616 | 169 | 0 | 11730 | 1292 | 0 | 1292 | 13022 |
| 36 | COLA LIFE/75% | NONE | NONE | ACOL A | 2207 | 8751 | 584 | 160 | 0 | 11702 | 2370 | 0 | 2370 | 14072 |
| 37 | COLA LIFE/50% | NONE | NONE | ACOL A | 2284 | 8664 | 573 | 163 | 0 | 11684 | 1814 | 0 | 1814 | 13498 |
| 38 | COLA LIFE/25% | NONE | NONE | ACOL A | 2351 | 8594 | 563 | 167 | 0 | 11675 | 1420 | 0 | 1420 | 13095 |
| 39 | COLA LIFE/0% | NONE | NONE | ACOL A | 2406 | 8536 | 555 | 169 | 0 | 11666 | 1136 | 0 | 1136 | 12802 |
| 40 | COLA 62/75% + 3% PEN | NONE | NONE | ACOL A | 2285 | 849 | 618 | 166 | 0 | 11718 | 1823 | 0 | 1823 | 13541 |
| 41 | COLA 62/75% + 3% PEN | NONE | NONE | ACOL A | 2079 | 8933 | 670 | 152 | 0 | 11834 | 2243 | 403 | 2646 | 14480 |
| 42 | COLA 62/67% + 3% PEN | NONE | NONE | ACOL A | 2916 | 8667 | 672 | 166 | 0 | 12421 | 1779 | 0 | 1779 | 14200 |
| 43 | HIGH 3 | NONE | NONE | ACOL B | 2115 | 8860 | 598 | 154 | 0 | 11727 | 3166 | 0 | 3166 | 14893 |
| 44 | DEC 30% (1.75 MULT) | NONE | NONE | ACOL B | 2356 | 8589 | 563 | 167 | 0 | 11675 | 1821 | 0 | 1821 | 13496 |
| 45 | DEC 30% (1.75 MULT) | NONE | NONE | ACOL B | 2046 | 8942 | 604 | 151 | 0 | 11743 | 2291 | 388 | 2679 | 14422 |
| 46 | 3% PEN | NONE | NONE | ACOL B | 2195 | 8772 | 575 | 160 | 0 | 11702 | 2364 | 0 | 2364 | 14066 |
| 47 | 3% PEN | NONE | 210--0--0 | ACOL B | 2014 | 8980 | 607 | 150 | 0 | 11751 | 2776 | 310 | 3086 | 14837 |
| 48 | COLA 62/50% | NONE | NONE | ACOL B | 2261 | 8684 | 574 | 163 | 0 | 11682 | 1979 | 0 | 1979 | 13661 |
| 49 | COLA 62/50% | NONE | NONE | ACOL B | 2056 | 8918 | 603 | 152 | 0 | 11729 | 2331 | 276 | 2607 | 14336 |
| 50 | COLA 62/75% + 3% PEN | NONE | NONE | ACOL B | 2254 | 8687 | 567 | 163 | 0 | 11671 | 1875 | 0 | 1875 | 13546 |

L-18-106
ATCH 4

SERVICE: NAVY COMMUNITY: BOTH

COSTS IN \$ MILLIONS

| REF: | RETIREMENT
OPTION: | REALLOCATION
OPTION: | SOURCE: | GAIN | MAINT | SKI | LOSS | FIXED | FORCE | REMIT | EW | TOTRET | TOTAL |
|------|-----------------------|-------------------------|--------------|------|-------|-----|------|-------|-------|-------|-----|--------|-------|
| 51 | COLA 62/75% + 3% PEN | 200(0)/300(E)--0--0 | ACOL B | 2060 | 8954 | 609 | 150 | 0 | 11773 | 2329 | 406 | 2735 | 14508 |
| 52 | DEC 30% (1.75 MULT) | NONE | DMSH(ACOL B) | 2369 | 8639 | 672 | 187 | 0 | 12467 | 2073 | 0 | 2073 | 14540 |
| 53 | DEC 30% (1.75 MULT) | 210-60-100 | DMSH(ACOL B) | 2660 | 9032 | 672 | 172 | 0 | 12536 | 2454 | 402 | 2856 | 15392 |
| 54 | 3% PEN | NONE | DMSH(ACOL B) | 2809 | 8815 | 672 | 182 | 0 | 12478 | 2330 | 0 | 2330 | 14808 |
| 55 | 3% PEN | 210--0--0 | DMSH(ACOL B) | 2829 | 9040 | 672 | 170 | 0 | 12511 | 2649 | 315 | 2964 | 15475 |
| 56 | COLA 62/50% | NONE | DMSH(ACOL B) | 2874 | 8739 | 672 | 182 | 0 | 12467 | 2153 | 0 | 2153 | 14620 |
| 57 | COLA 62/50% | 160--40--50 | DMSH(ACOL B) | 2670 | 9001 | 672 | 172 | 0 | 12515 | 2452 | 287 | 2739 | 15254 |
| 58 | COLA 62/75% + 3% PEN | NONE | DMSH(ACOL B) | 2867 | 8727 | 672 | 184 | 0 | 12450 | 1851 | 0 | 1851 | 14301 |
| 59 | COLA 62/75% + 3% PEN | 200(0)/300(E)--0--0 | DMSH(ACOL B) | 2674 | 9015 | 672 | 171 | 0 | 12532 | 2287 | 412 | 2699 | 15231 |
| 60 | SS OFFSET=1.25%/YR | NONE | ACOL A | 2186 | 8786 | 641 | 159 | 0 | 11772 | 2179 | 0 | 2179 | 13951 |
| 61 | VEST 22, BEFORE SHIFT | NONE | ACOL A | 2070 | 8970 | 653 | 153 | 0 | 11846 | 3117 | 0 | 3117 | 14963 |
| 62 | VEST 24, BEFORE SHIFT | NONE | ACOL A | 2075 | 9036 | 646 | 154 | 0 | 11911 | 3064 | 0 | 3064 | 14975 |
| 63 | VEST 30, BEFORE SHIFT | NONE | ACOL A | 2207 | 8957 | 625 | 160 | 0 | 11949 | 2722 | 0 | 2722 | 14671 |
| 64 | VEST 22, AFTER SHIFT | NONE | ACOL A | 2403 | 8487 | 593 | 172 | 0 | 11655 | 1729 | 0 | 1729 | 13384 |
| 65 | VEST 24, AFTER SHIFT | NONE | ACOL A | 2582 | 8311 | 569 | 180 | 0 | 11642 | 1206 | 0 | 1206 | 12848 |
| 66 | VEST 30, AFTER SHIFT | NONE | ACOL A | 2864 | 8132 | 544 | 188 | 0 | 11728 | 723 | 0 | 723 | 12451 |
| 67 | RMA | NONE | ACOL A | 2194 | 8771 | 580 | 159 | 0 | 11704 | 2487 | 0 | 2487 | 14191 |
| 68 | USRBA W/O LOAN | NONE | ACOL A | 2216 | 8767 | 580 | 160 | 0 | 11723 | 2561 | 0 | 2561 | 14284 |
| 69 | USRBA WITH LOAN | LOAN OPTION | ACOL A | 2064 | 8916 | 600 | 152 | 0 | 11732 | 2789 | 239 | 3028 | 14760 |
| 70 | PPSSCC OSD 248 | NONE | ACOL A | 2370 | 8558 | 604 | 170 | 0 | 11702 | 776 | 0 | 776 | 12478 |
| 71 | PPSSCC USAF 1.9% | NONE | ACOL A | 2595 | 8432 | 590 | 176 | 0 | 11793 | 633 | 0 | 633 | 12426 |

L-B-107
ATCH 4

SERVICE: NAVY COMMUNITY: BOTH

\$ DELIAS FROM CASE 2

| REF: | RETIREMENT
OPTION: | REALLOCATION
OPTION: | SOURCE: | GAIN | MAINT | SE-I | LOSS | FIXED | FORCE | RETM | EW | TOTRET | TOTAL |
|------|-----------------------|-------------------------|--------------|------|-------|------|------|-------|-------|-------|-----|--------|-------|
| 51 | COLA 62/75% + 3% PEN | 200(OI/300(E))--0--0 | ACOL B | -43 | 64 | 7 | -3 | 0 | 25 | -997 | 406 | -591 | -566 |
| 52 | DEC 30% (1.75 MULT) | NONE | DMSH(ACOL B) | 866 | -251 | 70 | 34 | 0 | 719 | -1253 | 0 | -1253 | -534 |
| 53 | DEC 30% (1.75 MULT) | 210-60-100 | DMSH(ACOL B) | 557 | 142 | 70 | 19 | 0 | 788 | -872 | 402 | -470 | 318 |
| 54 | 3% PEN | NONE | DMSH(ACOL B) | 706 | -75 | 70 | 29 | 0 | 730 | -996 | 0 | -996 | -266 |
| 55 | 3% PEN | 210--0--0 | DMSH(ACOL B) | 526 | 150 | 70 | 17 | 0 | 763 | -677 | 315 | -362 | 401 |
| 56 | COLA 62/50% + 3% PEN | NONE | DMSH(ACOL B) | 771 | -151 | 70 | 29 | 0 | 719 | -1173 | 0 | -1173 | -454 |
| 57 | COLA 62/50% + 3% PEN | 160--40--50 | DMSH(ACOL B) | 567 | 111 | 70 | 19 | 0 | 767 | -874 | 287 | -587 | 180 |
| 58 | COLA 62/75% + 3% PEN | NONE | DMSH(ACOL B) | 764 | -163 | 70 | 31 | 0 | 702 | -1475 | 0 | -1475 | -773 |
| 59 | COLA 62/75% + 3% PEN | 200(OI/300(E))--0--0 | DMSH(ACOL B) | 571 | 125 | 70 | 18 | 0 | 784 | -1035 | 412 | -627 | 157 |
| 60 | SS OFFSET=1.25%/YR | NONE | ACOL A | 83 | -104 | 39 | 6 | 0 | 24 | -1147 | 0 | -1147 | -1123 |
| 61 | VEST 22,BEFORE SHIFT | NONE | ACOL A | -33 | 80 | 51 | 0 | 0 | 98 | -209 | 0 | -209 | -111 |
| 62 | VEST 24,BEFORE SHIFT | NONE | ACOL A | -28 | 146 | 44 | 1 | 0 | 163 | -262 | 0 | -262 | -99 |
| 63 | VEST 30,BEFORE SHIFT | NONE | ACOL A | 104 | 67 | 23 | 7 | 0 | 201 | -604 | 0 | -604 | -403 |
| 64 | VEST 22,AFTER SHIFT | NONE | ACOL A | 300 | -403 | -9 | 19 | 0 | -93 | -1597 | 0 | -1597 | -1690 |
| 65 | VEST 24,AFTER SHIFT | NONE | ACOL A | 479 | -579 | -33 | 27 | 0 | -106 | -2120 | 0 | -2120 | -2226 |
| 66 | VEST 30,AFTER SHIFT | NONE | ACOL A | 761 | -758 | -58 | 35 | 0 | -20 | -2603 | 0 | -2603 | -2623 |
| 67 | RMA | NONE | ACOL A | 91 | -119 | -22 | 6 | 0 | -44 | -839 | 0 | -839 | -883 |
| 68 | USRBA W/O LOAN | NONE | ACOL A | 113 | -123 | -22 | 7 | 0 | -25 | -765 | 0 | -765 | -790 |
| 69 | USRBA WITH LOAN | LOAN OPTION | ACOL A | -39 | 26 | -2 | -1 | 0 | -16 | -537 | 239 | -298 | -314 |
| 70 | PPSSCC OSD 24B | NONE | ACOL A | 267 | -332 | 2 | 17 | 0 | -46 | -2550 | 0 | -2550 | -2596 |
| 71 | PPSSCC USAF 1.9% | NONE | ACOL A | 492 | -458 | -12 | 23 | 0 | 45 | -2693 | 0 | -2693 | -2648 |

L-B--109
ATCH 4

% DELTAS FROM CASE 2

| | | |
|--------------|------------|--------------|
| REF: OPTION: | RETIREMENT | REALLOCATION |
| OPTION: | OPTION: | OPTION: |

| 2 | TERM PAY | ACOL A/B |
|----|----------------------|---------------------|
| 3 | HIGH 3 | NONE |
| 4 | DEC 10% | NONE |
| 5 | DEC 20% | NONE |
| 6 | DEC 20% | 150--30--70 |
| 7 | DEC 30% | NONE |
| 8 | DEC 30% | 210--0--0 |
| 9 | DEC 30% | 210--60--100 |
| 10 | DEC 40% | NONE |
| 11 | DEC 50% | NONE |
| 12 | 1% PENALTY | NONE |
| 13 | 1% PEN | 90--0--0 |
| 14 | 2% PEN | NONE |
| 15 | 2% PEN | 150--0--0 |
| 16 | 3% PEN | NONE |
| 17 | 3% PEN | 210--0--0 |
| 18 | 4% PEN | NONE |
| 19 | 4% PEN | 270--0--0 |
| 20 | 5% PEN | NONE |
| 21 | 6% PEN | NONE |
| 22 | 6% PEN | 390--0--0 |
| 23 | COLA 30/90% | NONE |
| 24 | COLA 30/75% | NONE |
| 25 | COLA 30/61% | NONE |
| 26 | COLA 30/50% | NONE |
| 27 | COLA 30/33% | NONE |
| 28 | COLA 30/0% | NONE |
| 29 | COLA 62/90% | NONE |
| 30 | COLA 62/75% | NONE |
| 31 | COLA 62/61% | NONE |
| 32 | COLA 62/50% | NONE |
| 33 | COLA 62/33% | 160--40--50 |
| 34 | COLA 62/33% | NONE |
| 35 | COLA 62/0% | NONE |
| 36 | COLA LIFE/75% | NONE |
| 37 | COLA LIFE/50% | NONE |
| 38 | COLA LIFE/25% | NONE |
| 39 | COLA LIFE/0% | NONE |
| 40 | COLA 62/75% + 3% PEN | NONE |
| 41 | COLA 62/75% + 3% PEN | 200(0)/300(E)--0--0 |
| 42 | COLA 62/61% + 3% PEN | NONE |
| 43 | HIGH 3 | NONE |
| 44 | DEC 30% (1.75 MULTI) | NONE |
| 45 | DEC 30% (1.75 MULTI) | 210--60--100 |
| 46 | 3% PEN | NONE |
| 47 | 3% PEN | 210--0--0 |
| 48 | COLA 62/50% | NONE |
| 49 | COLA 62/50% | 160--40--50 |
| 50 | COLA 62/75% + 3% PEN | NONE |

L-B-110
ATCH 4

SERVICE: NAVY COMMUNITY: BOTH

SERVICE: NAVY COMMUNITY: BOTH

RETIREMENT

REF: OPTION:
REF: OPTION:
REF: OPTION:

| | | |
|----|----------------------|----------------------|
| 51 | COLA 62/75% + 3% PEN | 2001(0)/300(E)--0--0 |
| 52 | DEC 30% (1.75 MULT) | NONE |
| 53 | DEC 30% (1.75 MULT) | NONE |
| 54 | 3% PEN | 210--0--0 |
| 55 | 3% PEN | NONE |
| 56 | COLA 62/50% | 160--40--50 |
| 57 | COLA 62/50% | NONE |
| 58 | COLA 62/75% + 3% PEN | NONE |
| 59 | COLA 62/75% + 3% PEN | 2001(0)/300(E)--0--0 |
| 60 | SS OFFSET=1.25%/YR | NONE |
| 61 | VEST 22,BEFORE SHIFT | NONE |
| 62 | VEST 24,BEFORE SHIFT | NONE |
| 63 | VEST 30,BEFORE SHIFT | NONE |
| 64 | VEST 22,AFTER SHIFT | NONE |
| 65 | VEST 24,AFTER SHIFT | NONE |
| 66 | VEST 30,AFTER SHIFT | NONE |
| 67 | RMA | NONE |
| 68 | USRBA W/O LOAN | NONE |
| 69 | USRBA WITH LOAN | LOAN OPTION |
| 70 | PPSSCC OSD 24B | NONE |
| 71 | PPSSCC USAF 1.9% | NONE |

SOURCE:

ACOL B
DPMH(ACOL B)
DPMH(ACOL B)
DPMH(ACOL B)
DPMH(ACOL B)
DPMH(ACOL B)
DPMH(ACOL B)
DPMH(ACOL B)
DPMH(ACOL B)
ACOL A
ACOL A
ACOL A
ACOL A
ACOL A
ACOL A
ACOL A
ACOL A
ACOL A

GAIN MAINT

1 3 2 1 2 2 1 2 1 1 1 2 1 5 7 9 1 1 0 4 5

S&P

1
12
12
12
12
12
12
12
6
8
7
4
-1
-5
-10
-4
-4
0
0
-2

GAIN MAINT

1 3 2 1 2 2 1 2 1 1 1 2 1 5 7 9 1 1 0 4 5
-2 41 26 34 25 37 27 36 27 4 -2 -1 5 14 23 36 4 5 -2 13 23

D FORCE

0 6 7 6 6 6 7 6 7 0 1 1 2 -1 -1 0 0 0 0 0 0

0 0

REMIT

-30
-38
-26
-30
-20
-35
-26
-44
-31
-34
-6
-8
-18
-48
-64
-78
-25
-23
-16
-77
-81

EW TOTRET

| | |
|-----|-----|
| *** | -18 |
| 0 | -38 |
| 0 | -14 |
| *** | -30 |
| 0 | -31 |
| *** | -35 |
| 0 | -18 |
| 0 | -44 |
| *** | -19 |
| 0 | -34 |
| 0 | -6 |
| 0 | -8 |
| 0 | -18 |
| 0 | -48 |
| 0 | -64 |
| 0 | -78 |
| 0 | -25 |
| 0 | -23 |
| 0 | -9 |
| *** | -77 |
| 0 | -81 |
| 0 | |

TOTAL

-4
-4
2
-2
-3
1
-5
1
-7
-1
-1
-3
-11
-15
-17
-6
-5
-2
-17
-18

\$ DELTAS FROM CASE 2

SERVICE: USMC COMMUNITY: OFF

REALLOCATION
OPTION:

RETIREMENT
REF: OPTION:

SOURCE:

| REF: | RETIREMENT
OPTION: | REALLOCATION
OPTION: | SOURCE: | GAIN | MAINT | S&I | LOSS | FIXED | FORCE | REINT | EW | TOTRET | TOTAL |
|------|-----------------------|-------------------------|----------|------|-------|-----|------|-------|-------|-------|----|--------|-------|
| 2 | TERM PAY | NONE | ACOL A/B | 460 | 513 | 5 | 10 | 0 | 988 | 305 | 0 | 305 | 1293 |
| 3 | HIGH 3 | NONE | ACOL A | 6 | -2 | 7 | 0 | 0 | 11 | -11 | 0 | -11 | 0 |
| 4 | DEC 10% | NONE | ACOL A | 21 | -7 | 7 | 0 | 0 | 21 | -48 | 0 | -48 | -27 |
| 5 | DEC 20% | NONE | ACOL A | 37 | -13 | 6 | 0 | 0 | 30 | -85 | 0 | -85 | -55 |
| 6 | DEC 20% | 150--30--70 | ACOL A | 0 | -2 | 7 | 0 | 0 | 5 | -67 | 21 | -46 | -41 |
| 7 | DEC 30% | NONE | ACOL A | 53 | -18 | 6 | 1 | 0 | 42 | -119 | 0 | -119 | -77 |
| 8 | DEC 30% | 210--0--0 | ACOL A | 12 | -8 | 7 | 0 | 0 | 11 | -99 | 24 | -75 | -64 |
| 9 | DEC 30% | 210--60--100 | ACOL A | -10 | 4 | 7 | -1 | 0 | 0 | -94 | 32 | -62 | -62 |
| 10 | DEC 40% | NONE | ACOL A | 70 | -24 | 6 | 1 | 0 | 53 | -184 | 0 | -184 | -131 |
| 11 | DEC 50% | NONE | ACOL A | 86 | -29 | 6 | 1 | 0 | 64 | -184 | 0 | -184 | -120 |
| 12 | 1% PENALTY | NONE | ACOL A | 15 | -3 | 7 | 0 | 0 | 19 | -31 | 0 | -31 | -12 |
| 13 | 1% PEN | 90--0--0 | ACOL A | -3 | 2 | 7 | 0 | 0 | 6 | -22 | 10 | -12 | -6 |
| 14 | 2% PEN | NONE | ACOL A | 18 | -3 | 6 | 0 | 0 | 21 | -49 | 0 | -49 | -28 |
| 15 | 2% PEN | 150--0--0 | ACOL A | -8 | 4 | 7 | -1 | 0 | 2 | -34 | 17 | -17 | -15 |
| 16 | 3% PEN | NONE | ACOL A | 18 | -3 | 6 | 0 | 0 | 21 | -64 | 0 | -64 | -43 |
| 17 | 3% PEN | 210--0--0 | ACOL A | -15 | 7 | 7 | -1 | 0 | -2 | -44 | 24 | -20 | -22 |
| 18 | 4% PEN | NONE | ACOL A | 20 | -2 | 6 | 0 | 0 | 24 | -90 | 0 | -90 | -66 |
| 19 | 4% PEN | 270--0--0 | ACOL A | -23 | 10 | 7 | -1 | 0 | -7 | -53 | 31 | -22 | -29 |
| 20 | 5% PEN | NONE | ACOL A | 19 | -2 | 6 | 0 | 0 | 23 | -84 | 0 | -84 | -61 |
| 21 | 6% PEN | NONE | ACOL A | 18 | 0 | 6 | 0 | 0 | 24 | -90 | 0 | -90 | -66 |
| 22 | 6% PEN | 390--0--0 | ACOL A | -41 | 18 | 7 | -1 | 0 | -17 | -69 | 45 | -24 | -41 |
| 23 | COLA 30/90% | NONE | ACOL A | 9 | -2 | 7 | 0 | 0 | 14 | -23 | 0 | -23 | -9 |
| 24 | COLA 30/75% | NONE | ACOL A | 13 | -3 | 7 | 0 | 0 | 17 | -41 | 0 | -41 | -24 |
| 25 | COLA 30/67% | NONE | ACOL A | 16 | -4 | 7 | 0 | 0 | 19 | -50 | 0 | -50 | -31 |
| 26 | COLA 30/50% | NONE | ACOL A | 19 | -5 | 6 | 0 | 0 | 20 | -67 | 0 | -67 | -47 |
| 27 | COLA 30/33% | NONE | ACOL A | 21 | -5 | 6 | 0 | 0 | 22 | -82 | 0 | -82 | -60 |
| 28 | COLA 30/0% | NONE | ACOL A | 24 | -6 | 6 | 0 | 0 | 24 | -108 | 0 | -108 | -84 |
| 29 | COLA 62/90% | NONE | ACOL A | 12 | -4 | 7 | 0 | 0 | 15 | -47 | 0 | -47 | -32 |
| 30 | COLA 62/75% | NONE | ACOL A | 21 | -7 | 7 | 0 | 0 | 21 | -73 | 0 | -73 | -52 |
| 31 | COLA 62/67% | NONE | ACOL A | 25 | -8 | 6 | 0 | 0 | 23 | -77 | 0 | -77 | -54 |
| 32 | COLA 62/50% | NONE | ACOL A | 34 | -11 | 6 | 0 | 0 | 29 | -105 | 0 | -105 | -76 |
| 33 | COLA 62/50% | 160--40--50 | ACOL A | -7 | 3 | 7 | -1 | 0 | 2 | -84 | 22 | -62 | -60 |
| 34 | COLA 62/33% | NONE | ACOL A | 42 | -14 | 6 | 0 | 0 | 34 | -132 | 0 | -132 | -98 |
| 35 | COLA 62/0% | NONE | ACOL A | 55 | -18 | 6 | 1 | 0 | 44 | -166 | 0 | -166 | -122 |
| 36 | COLA LIFE/75% | NONE | ACOL A | 24 | -8 | 0 | 0 | 0 | 16 | -76 | 0 | -76 | -60 |
| 37 | COLA LIFE/50% | NONE | ACOL A | 38 | -13 | 0 | 0 | 0 | 25 | -124 | 0 | -124 | -99 |
| 38 | COLA LIFE/25% | NONE | ACOL A | 51 | -17 | 0 | 1 | 0 | 35 | -159 | 0 | -159 | -124 |
| 39 | COLA LIFE/0% | NONE | ACOL A | 61 | -21 | 0 | 1 | 0 | 41 | -186 | 0 | -186 | -145 |
| 40 | COLA 62/75% + 3% PEN | 3% PEN | ACOL A | 31 | -8 | 6 | 0 | 0 | 29 | -105 | 0 | -105 | -76 |
| 41 | COLA 62/75% + 3% PEN | 3% PEN | ACOL A | -3 | 2 | 7 | -1 | 0 | 5 | -99 | 22 | -77 | -72 |
| 42 | COLA 62/67% + 3% PEN | 3% PEN | ACOL A | 171 | 33 | 12 | 0 | 0 | 216 | -134 | 0 | -134 | 82 |
| 43 | HIGH 3 | NONE | ACOL B | 7 | -2 | 0 | 0 | 0 | 5 | -11 | 0 | -11 | -6 |
| 44 | DEC 30% (1.75 MULT) | NONE | ACOL B | 52 | -18 | 0 | 1 | 0 | 35 | -119 | 0 | -119 | -84 |
| 45 | DEC 30% (1.75 MULT) | 210--60--100 | ACOL B | -12 | 4 | 0 | -1 | 0 | -9 | -94 | 32 | -62 | -71 |
| 46 | 3% PEN | NONE | ACOL B | 17 | -3 | 0 | 0 | 0 | 14 | -62 | 0 | -62 | -48 |
| 47 | 3% PEN | 210--0--0 | ACOL B | -17 | 7 | 0 | -1 | 0 | -11 | -43 | 24 | -19 | -30 |
| 48 | COLA 62/50% | NONE | ACOL B | 33 | -11 | 0 | 0 | 0 | 22 | -104 | 0 | -104 | -82 |
| 49 | COLA 62/50% | 160--40--50 | ACOL B | -9 | 7 | 0 | -1 | 0 | -7 | -68 | 23 | -61 | -68 |
| 50 | COLA 62/75% + 3% PEN | NONE | ACOL B | 28 | -7 | 0 | 0 | 0 | 21 | -104 | 0 | -104 | -83 |

114
ATCH 4

SERVICE: USMC COMMUNITY: OFF

\$ DELTAS FROM CASE 2

REF: OPTION: RETIREMENT REALLOCATION OPTION:

51 COLA 62/75% + 3% PEN 200(0)/300(E)--0--0
 52 DEC 30% (1.75 MULT) NONE
 53 DEC 30% (1.75 MULT) 210-60-100
 54 3% PEN
 55 3% PEN 210--0--0
 56 COLA 62/50%
 57 COLA 62/75% + 3% PEN 160--40--50
 58 COLA 62/75% + 3% PEN 200(0)/300(E)--0--0
 59 SS OFFSET=1.25%/YR
 60 VEST 22,BEFORE SHIFT NONE
 61 VEST 24,BEFORE SHIFT NONE
 62 VEST 30,BEFORE SHIFT NONE
 63 VEST 22,AFTER SHIFT NONE
 64 VEST 24,AFTER SHIFT NONE
 65 VEST 30,AFTER SHIFT NONE
 66 RMA
 67 USRBA W/O LOAN
 68 USRBA WITH LOAN
 69 PPSSCC OSD 248
 70 PPSSCC USAF 1.9%
 71

| SOURCE: | GAIN | MAINT | S&I | LOSS | FIXED | FORCE | RETM | LW | TOTRET | TOTAL |
|--------------|------|-------|-----|------|-------|-------|------|----|--------|-------|
| ACOL B | -5 | 2 | 0 | -1 | 0 | -4 | -87 | 22 | -65 | -69 |
| DMSH(ACOL B) | 189 | 16 | 12 | 2 | 0 | 219 | -97 | 0 | -97 | 122 |
| DMSH(ACOL B) | 123 | 34 | 12 | 1 | 0 | 170 | -83 | 33 | -50 | 120 |
| DMSH(ACOL B) | 153 | 26 | 12 | 2 | 0 | 193 | -69 | 0 | -69 | 124 |
| DMSH(ACOL B) | 118 | 35 | 12 | 1 | 0 | 166 | -57 | 25 | -32 | 134 |
| DMSH(ACOL B) | 169 | 20 | 12 | 2 | 0 | 203 | -87 | 0 | -87 | 116 |
| DMSH(ACOL B) | 126 | 33 | 12 | 1 | 0 | 172 | -73 | 23 | -50 | 122 |
| DMSH(ACOL B) | 164 | 22 | 12 | 2 | 0 | 200 | -109 | 0 | -109 | 91 |
| DMSH(ACOL B) | 130 | 31 | 12 | 1 | 0 | 174 | -91 | 23 | -68 | 106 |
| ACOL A | 16 | -3 | 6 | 0 | 0 | 19 | -107 | 0 | -107 | -88 |
| ACOL A | -17 | 17 | 6 | -1 | 0 | 5 | -10 | 0 | -10 | -5 |
| ACOL A | -22 | 22 | 6 | -1 | 0 | 5 | -8 | 0 | -8 | -3 |
| ACOL A | 0 | 14 | 6 | 0 | 0 | 20 | -41 | 0 | -41 | -21 |
| ACOL A | 52 | -17 | 6 | 1 | 0 | 42 | -96 | 0 | -96 | -54 |
| ACOL A | 77 | -28 | 5 | 1 | 0 | 55 | -116 | 0 | -116 | -61 |
| ACOL A | 131 | -47 | 4 | 2 | 0 | 90 | -169 | 0 | -169 | -79 |
| ACOL A | 18 | -4 | 0 | 0 | 0 | 14 | -65 | 0 | -65 | -51 |
| ACOL A | 22 | -5 | 0 | 0 | 0 | 17 | -69 | 0 | -69 | -52 |
| ACOL A | -7 | 3 | 0 | -1 | 0 | -5 | -50 | 19 | -31 | -36 |
| ACOL A | 38 | -8 | 6 | 0 | 0 | 35 | -201 | 0 | -201 | -165 |
| ACOL A | 84 | -24 | 5 | 1 | 0 | 66 | -229 | 0 | -229 | -163 |

L-B-115
ATCH 4

% DELTAS FROM CASE 2

| SERVICE: USMC | COMMUNITY: OFF | REALLOCATION OPTION: | SOURCE: | GAIN | MAINT | SEI | LOSS | FIXED | FORCE | REMT | EM TOTRET | TOTAL |
|---------------|----------------------|----------------------|--------------|------|-------|-----|------|-------|-------|------|-----------|-------|
| REF: OPTION: | RETIREMENT | | | | | | | | | | | |
| 51 | COLA 62/75% + 3% PEM | 200(01)/300(E)--0--0 | ACOL B | -1 | 0 | 0 | -10 | 0 | 0 | -29 | ***** | -21 |
| 52 | DEC 30% (1.75 MULT) | NONE | DMSH(ACOL B) | 41 | 3 | 240 | 20 | 0 | 22 | -32 | 0 | -5 |
| 53 | DEC 30% (1.75 MULT) | 210-60-100 | DMSH(ACOL B) | 27 | 7 | 240 | 10 | 0 | 17 | -27 | ***** | -32 |
| 54 | 3% PEM | NONE | DMSH(ACOL B) | 33 | 5 | 240 | 20 | 0 | 20 | -23 | 0 | -16 |
| 55 | 3% PEM | 210--0--0 | DMSH(ACOL B) | 26 | 7 | 240 | 10 | 0 | 17 | -19 | ***** | -23 |
| 56 | COLA 62/50% | NONE | DMSH(ACOL B) | 37 | 4 | 240 | 20 | 0 | 21 | -29 | 0 | -10 |
| 57 | COLA 62/50% | 160--40--50 | DMSH(ACOL B) | 27 | 6 | 240 | 10 | 0 | 17 | -24 | ***** | -29 |
| 58 | COLA 62/75% + 3% PEM | NONE | DMSH(ACOL B) | 36 | 4 | 240 | 20 | 0 | 20 | -36 | 0 | -16 |
| 59 | COLA 62/75% + 3% PEM | 200(01)/300(E)--0--0 | DMSH(ACOL B) | 28 | 6 | 240 | 10 | 0 | 18 | -30 | ***** | -36 |
| 60 | SS OFFSET=1.25%/YR | NONE | ACOL A | 3 | -1 | 120 | 0 | 0 | 2 | 135 | 0 | -22 |
| 61 | VEST 22,BEFORE SHIFT | NONE | ACOL A | -4 | 3 | 120 | -10 | 0 | 1 | -3 | 0 | -35 |
| 62 | VEST 24,BEFORE SHIFT | NONE | ACOL A | -5 | 4 | 120 | -10 | 0 | 1 | -3 | 0 | -3 |
| 63 | VEST 30,BEFORE SHIFT | NONE | ACOL A | 0 | 3 | 120 | 0 | 0 | 2 | -13 | 0 | -3 |
| 64 | VEST 22,AFTER SHIFT | NONE | ACOL A | 11 | -3 | 120 | 16 | 0 | 4 | -31 | 0 | -13 |
| 65 | VEST 24,AFTER SHIFT | NONE | ACOL A | 17 | -5 | 100 | 10 | 0 | 6 | -38 | 0 | -31 |
| 66 | VEST 30,AFTER SHIFT | NONE | ACOL A | 28 | -9 | 80 | 20 | 0 | 9 | -55 | 0 | -38 |
| 67 | RMA | NONE | ACOL A | 4 | -1 | 0 | 0 | 0 | 1 | -21 | 0 | -55 |
| 68 | USRBA W/O LOAN | NONE | ACOL A | 5 | -1 | 0 | 0 | 0 | 2 | -23 | 0 | -21 |
| 69 | USRBA WITH LOAN | LOAN OPTION | ACOL A | -2 | 1 | 0 | -10 | 0 | -1 | -16 | ***** | -23 |
| 70 | PPSSCC OSD 24B | NONE | ACOL A | 8 | -2 | 120 | 0 | 0 | 4 | -66 | 0 | -10 |
| 71 | PPSSCC USAF 1.9% | NONE | ACOL A | 18 | -5 | 100 | 10 | 0 | 7 | -75 | 0 | -66 |
| | | | | | | | | | | | | -75 |
| | | | | | | | | | | | | -13 |
| | | | | | | | | | | | | -13 |

L-B-117
ATCH 4

SERVICE: USMC COMMUNITY: EML

REF: RETIREMENT
REALLOCATION
OPTION:

2 TERM PAY
3 HIGH 3
4 DEC 10%
5 DEC 20%
6 DEC 30%
7 DEC 40%
8 DEC 50%
9 DEC 60%
10 DEC 70%
11 DEC 80%
12 1% PENALTY
13 1% PEN
14 2% PEN
15 3% PEN
16 4% PEN
17 5% PEN
18 6% PEN
19 7% PEN
20 8% PEN
21 9% PEN
22 COLA 30/90%
23 COLA 30/75%
24 COLA 30/60%
25 COLA 30/50%
26 COLA 30/40%
27 COLA 30/30%
28 COLA 30/20%
29 COLA 30/10%
30 COLA 62/75%
31 COLA 62/60%
32 COLA 62/50%
33 COLA 62/40%
34 COLA 62/30%
35 COLA 62/20%
36 COLA 62/10%
37 COLA 62/0%
38 COLA 62/0%
39 COLA 62/0%
40 COLA 62/0%
41 COLA 62/0%
42 COLA 62/0%
43 COLA 62/0%
44 COLA 62/0%
45 COLA 62/0%
46 COLA 62/0%
47 COLA 62/0%
48 COLA 62/0%
49 COLA 62/0%
50 COLA 62/0%

L-B-118
ATCH 4

COSTS IN \$ MILLIONS

| SOURCE: | GAIN | MAINT | SEI | LOSS | FIXED | FORCE | REMT | EM | TOTRET | TOTAL |
|----------|------|-------|-----|------|-------|-------|------|-----|--------|-------|
| ACOL A/B | 371 | 2592 | 48 | 56 | 0 | 3067 | 648 | 0 | 648 | 3715 |
| ACOL A | 374 | 2576 | 47 | 56 | 0 | 3053 | 599 | 0 | 599 | 3652 |
| ACOL A | 384 | 2541 | 44 | 58 | 0 | 3027 | 479 | 0 | 479 | 3506 |
| ACOL A | 394 | 2509 | 41 | 59 | 0 | 3003 | 374 | 0 | 374 | 3377 |
| ACOL A | 371 | 2588 | 48 | 56 | 0 | 3063 | 491 | 54 | 545 | 3608 |
| ACOL A | 402 | 2481 | 39 | 60 | 0 | 2982 | 285 | 0 | 285 | 3267 |
| ACOL A | 374 | 2565 | 48 | 56 | 0 | 3043 | 415 | 68 | 483 | 3526 |
| ACOL A | 370 | 2595 | 48 | 56 | 0 | 3069 | 431 | 79 | 510 | 3579 |
| ACOL A | 411 | 2454 | 36 | 62 | 0 | 2963 | 210 | 0 | 210 | 3173 |
| ACOL A | 419 | 2431 | 34 | 63 | 0 | 2947 | 149 | 0 | 149 | 3096 |
| ACOL A | 383 | 2553 | 44 | 57 | 0 | 3037 | 507 | 0 | 507 | 3544 |
| ACOL A | 370 | 2594 | 48 | 55 | 0 | 3067 | 585 | 29 | 614 | 3681 |
| ACOL A | 391 | 2530 | 41 | 59 | 0 | 3021 | 428 | 0 | 428 | 3449 |
| ACOL A | 369 | 2599 | 48 | 55 | 0 | 3071 | 549 | 48 | 597 | 3668 |
| ACOL A | 398 | 2508 | 39 | 60 | 0 | 3005 | 360 | 0 | 360 | 3365 |
| ACOL A | 369 | 2604 | 48 | 55 | 0 | 3076 | 516 | 67 | 583 | 3659 |
| ACOL A | 401 | 2498 | 38 | 60 | 0 | 2997 | 313 | 0 | 313 | 3310 |
| ACOL A | 366 | 2614 | 48 | 55 | 0 | 3083 | 489 | 86 | 575 | 3658 |
| ACOL A | 402 | 2492 | 37 | 60 | 0 | 2991 | 280 | 0 | 280 | 3271 |
| ACOL A | 403 | 2488 | 37 | 60 | 0 | 2988 | 255 | 0 | 255 | 3243 |
| ACOL A | 356 | 2653 | 50 | 53 | 0 | 3112 | 466 | 131 | 597 | 3709 |
| ACOL A | 377 | 2568 | 46 | 57 | 0 | 3048 | 559 | 0 | 559 | 3607 |
| ACOL A | 381 | 2555 | 44 | 57 | 0 | 3037 | 503 | 0 | 503 | 3540 |
| ACOL A | 383 | 2549 | 44 | 57 | 0 | 3033 | 476 | 0 | 476 | 3509 |
| ACOL A | 388 | 2536 | 42 | 58 | 0 | 3024 | 422 | 0 | 422 | 3446 |
| ACOL A | 392 | 2523 | 41 | 59 | 0 | 3015 | 376 | 0 | 376 | 3391 |
| ACOL A | 399 | 2500 | 39 | 60 | 0 | 2998 | 301 | 0 | 301 | 3299 |
| ACOL A | 379 | 2560 | 45 | 57 | 0 | 3041 | 505 | 0 | 505 | 3546 |
| ACOL A | 385 | 2538 | 44 | 58 | 0 | 3025 | 420 | 0 | 420 | 3445 |
| ACOL A | 388 | 2528 | 43 | 58 | 0 | 3017 | 395 | 0 | 395 | 3412 |
| ACOL A | 394 | 2508 | 41 | 59 | 0 | 3002 | 312 | 0 | 312 | 3314 |
| ACOL A | 370 | 2597 | 48 | 55 | 0 | 3070 | 439 | 58 | 491 | 3567 |
| ACOL A | 400 | 2491 | 39 | 60 | 0 | 2990 | 258 | 0 | 258 | 3248 |
| ACOL A | 408 | 2465 | 37 | 61 | 0 | 2971 | 183 | 0 | 183 | 3154 |
| ACOL A | 386 | 2536 | 43 | 58 | 0 | 3023 | 416 | 0 | 416 | 3439 |
| ACOL A | 396 | 2504 | 40 | 59 | 0 | 2999 | 297 | 0 | 297 | 3296 |
| ACOL A | 403 | 2480 | 38 | 60 | 0 | 2981 | 219 | 0 | 219 | 3200 |
| ACOL A | 409 | 2461 | 36 | 61 | 0 | 2967 | 165 | 0 | 165 | 3132 |
| ACOL A | 405 | 2480 | 37 | 61 | 0 | 2983 | 263 | 0 | 263 | 3246 |
| ACOL A | 365 | 2611 | 49 | 55 | 0 | 3080 | 425 | 102 | 527 | 3607 |
| ACOL A | 388 | 2203 | 121 | 61 | 0 | 2973 | 298 | 0 | 298 | 3271 |
| ACOL B | 374 | 2578 | 47 | 56 | 0 | 3055 | 598 | 0 | 598 | 3653 |
| ACOL B | 403 | 2480 | 38 | 60 | 0 | 2981 | 283 | 0 | 283 | 3264 |
| ACOL B | 366 | 2606 | 49 | 55 | 0 | 3076 | 441 | 82 | 523 | 3599 |
| ACOL B | 390 | 2527 | 41 | 59 | 0 | 3017 | 380 | 0 | 380 | 3397 |
| ACOL B | 363 | 2620 | 49 | 54 | 0 | 3086 | 533 | 69 | 602 | 3688 |
| ACOL B | 395 | 2508 | 41 | 59 | 0 | 3003 | 321 | 0 | 321 | 3324 |
| ACOL B | 368 | 2600 | 48 | 55 | 0 | 3071 | 442 | 59 | 501 | 3572 |
| ACOL B | 398 | 2497 | 39 | 60 | 0 | 2994 | 278 | 0 | 278 | 3272 |

SERVICE: USMC COMMUNITY: ENL

REF: OPTION: RETIREMENT REALLOCATION
OPTION:

COSTS IN \$ MILLIONS

| REF: | OPTION: | RETIREMENT | REALLOCATION | SOURCE: | GAIN | MAINT | S&I | LOSS | FIXED | FORCE | REMT | EM | TOTRET | TOTAL |
|------|-----------------------|---------------------|--------------|---------|------|-------|-----|------|-------|-------|------|-----|--------|-------|
| 51 | COLA 62/75% + 3% PEN | 200(O)/300(E)--0--0 | ACOL B | 360 | 2623 | 51 | 54 | 0 | 3088 | 452 | 104 | 556 | 3644 | |
| 52 | DEC 30% (1.75 MULT) | NONE | DMSM(ACOL B) | 584 | 2209 | 121 | 61 | 0 | 2975 | 381 | 0 | 381 | 3356 | |
| 53 | DEC 30% (1.75 MULT) | 210-60-100 | DMSM(ACOL B) | 547 | 2339 | 121 | 57 | 0 | 3064 | 492 | 84 | 576 | 3640 | |
| 54 | 3% PEN | NONE | DMSM(ACOL B) | 571 | 2262 | 121 | 59 | 0 | 3013 | 445 | 0 | 445 | 3458 | |
| 55 | 3% PEN | 210--0--0 | DMSM(ACOL B) | 544 | 2353 | 121 | 57 | 0 | 3075 | 552 | 70 | 622 | 3697 | |
| 56 | COLA 62/50% | NONE | DMSM(ACOL B) | 575 | 2233 | 121 | 60 | 0 | 2989 | 341 | 0 | 341 | 3330 | |
| 57 | COLA 62/50% | 160--40--50 | DMSM(ACOL B) | 549 | 2333 | 121 | 57 | 0 | 3060 | 444 | 60 | 504 | 3564 | |
| 58 | COLA 62/75% + 3% PEN | 200(O)/300(E)--0--0 | DMSM(ACOL B) | 579 | 2230 | 121 | 60 | 0 | 2990 | 319 | 0 | 319 | 3309 | |
| 59 | COLA 62/75% + 3% PEN | NONE | DMSM(ACOL B) | 541 | 2357 | 121 | 56 | 0 | 3075 | 468 | 106 | 574 | 3649 | |
| 60 | SS OFFSEI=1.25%/YR | NONE | ACOL A | 389 | 2537 | 42 | 58 | 0 | 3026 | 403 | 0 | 403 | 3429 | |
| 61 | VEST 22, BEFORE SHIFT | NONE | ACOL A | 378 | 2583 | 43 | 57 | 0 | 3061 | 569 | 0 | 569 | 3630 | |
| 62 | VEST 24, BEFORE SHIFT | NONE | ACOL A | 380 | 2600 | 41 | 57 | 0 | 3078 | 531 | 0 | 531 | 3609 | |
| 63 | VEST 30, BEFORE SHIFT | NONE | ACOL A | 339 | 2522 | 37 | 60 | 0 | 2956 | 339 | 0 | 339 | 3317 | |
| 64 | VEST 22, AFTER SHIFT | NONE | ACOL A | 407 | 2462 | 35 | 61 | 0 | 2965 | 260 | 0 | 260 | 3225 | |
| 65 | VEST 24, AFTER SHIFT | NONE | ACOL A | 419 | 2419 | 32 | 63 | 0 | 2933 | 150 | 0 | 150 | 3083 | |
| 66 | VEST 30, AFTER SHIFT | NONE | ACOL A | 433 | 2377 | 28 | 65 | 0 | 2903 | 85 | 0 | 85 | 2988 | |
| 67 | RMA | NONE | ACOL A | 387 | 2536 | 42 | 58 | 0 | 3023 | 393 | 0 | 393 | 3416 | |
| 68 | USRBA W/O LOAN | NONE | ACOL A | 387 | 2538 | 42 | 58 | 0 | 3025 | 414 | 0 | 414 | 3439 | |
| 69 | USRBA WITH LOAN | LOAN OPTION | ACOL A | 369 | 2597 | 47 | 55 | 0 | 3068 | 502 | 51 | 553 | 3621 | |
| 70 | PPSSCC OSD 248 | NONE | ACOL A | 419 | 2430 | 33 | 63 | 0 | 2945 | 75 | 0 | 75 | 3020 | |
| 71 | PPSSCC USAF 1.9% | NONE | ACOL A | 431 | 2398 | 29 | 65 | 0 | 2923 | 61 | 0 | 61 | 2984 | |

L-B-119
ATCH 4

SERVICE: USMC COMMUNITY: ENL

\$ DELTAS FROM CASE 2

REF: OPTION: RETIREMENT REALLOCATION
OPTION:

| | TERM PAY | SOURCE: | GAIN | MAINT | S&I | LOSS | FIXED | FORCE | REINT | EW TOTRET | TOTAL |
|----|---|---------|------|-------|-----|------|-------|-------|-------|-----------|-------|
| 2 | HIGH 3 | NONE | 371 | 2592 | 48 | 56 | 0 | 3067 | 648 | 0 | 3715 |
| 3 | DEC 10% | NONE | 3 | -16 | -1 | 0 | 0 | -14 | -49 | 0 | -63 |
| 4 | DEC 20% | NONE | 13 | -51 | -4 | 2 | 0 | -40 | -169 | 0 | -209 |
| 5 | DEC 30% | NONE | 23 | -83 | -7 | 3 | 0 | -64 | -274 | 0 | -338 |
| 6 | DEC 40% | NONE | 0 | -4 | 0 | 0 | 0 | -4 | -103 | 54 | -107 |
| 7 | DEC 50% | NONE | 31 | -111 | -9 | 4 | 0 | -85 | -363 | 0 | -448 |
| 8 | DEC 60% | NONE | 3 | -27 | 0 | 0 | 0 | -24 | -233 | 68 | -189 |
| 9 | DEC 70% | NONE | -1 | 3 | 0 | 0 | 0 | 2 | -217 | 79 | -136 |
| 10 | DEC 80% | NONE | 40 | -138 | -12 | 6 | 0 | -104 | -438 | 0 | -542 |
| 11 | DEC 90% | NONE | 48 | -161 | -14 | 7 | 0 | -120 | -499 | 0 | -619 |
| 12 | 1% PENALTY | NONE | 12 | -39 | -4 | 1 | 0 | -30 | -141 | 0 | -171 |
| 13 | 1% PEN | NONE | -1 | 2 | 0 | -1 | 0 | 0 | -63 | 29 | -34 |
| 14 | 2% PEN | NONE | 20 | -62 | -7 | 3 | 0 | -46 | -220 | 0 | -266 |
| 15 | 3% PEN | NONE | -2 | 7 | 0 | -1 | 0 | 4 | -99 | 48 | -47 |
| 16 | 4% PEN | NONE | 27 | -84 | -9 | 4 | 0 | -62 | -288 | 0 | -350 |
| 17 | 5% PEN | NONE | -2 | 12 | 0 | -1 | 0 | 9 | -132 | 67 | -56 |
| 18 | 6% PEN | NONE | 30 | -94 | -10 | 4 | 0 | -70 | -335 | 0 | -405 |
| 19 | 7% PEN | NONE | -5 | 22 | 0 | -1 | 0 | 16 | -159 | 86 | -57 |
| 20 | 8% PEN | NONE | 31 | -100 | -11 | 4 | 0 | -76 | -368 | 0 | -444 |
| 21 | 9% PEN | NONE | 32 | -104 | -11 | 4 | 0 | -79 | -393 | 0 | -472 |
| 22 | 10% PEN | NONE | -15 | 61 | 2 | -3 | 0 | 45 | -182 | 131 | -6 |
| 23 | COLA 30/90% | NONE | 6 | -24 | -2 | 1 | 0 | -19 | -89 | 0 | -108 |
| 24 | COLA 30/75% | NONE | 10 | -37 | -4 | 1 | 0 | -30 | -145 | 0 | -175 |
| 25 | COLA 30/60% | NONE | 12 | -43 | -4 | 1 | 0 | -34 | -172 | 0 | -206 |
| 26 | COLA 30/50% | NONE | 1 | -56 | -6 | 2 | 0 | -43 | -226 | 0 | -269 |
| 27 | COLA 30/33% | NONE | 21 | -69 | -7 | 3 | 0 | -52 | -272 | 0 | -324 |
| 28 | COLA 30/0% | NONE | 28 | -92 | -9 | 4 | 0 | -69 | -347 | 0 | -416 |
| 29 | COLA 62/90% | NONE | 8 | -32 | -3 | 1 | 0 | -26 | -143 | 0 | -169 |
| 30 | COLA 62/75% | NONE | 14 | -54 | -4 | 2 | 0 | -42 | -228 | 0 | -270 |
| 31 | COLA 62/60% | NONE | 17 | -64 | -5 | 2 | 0 | -50 | -253 | 0 | -303 |
| 32 | COLA 62/50% | NONE | 23 | -84 | -7 | 3 | 0 | -65 | -336 | 0 | -401 |
| 33 | COLA 62/33% | NONE | -1 | 5 | 0 | -1 | 0 | 3 | -209 | 58 | -148 |
| 34 | COLA 62/0% | NONE | 29 | -101 | -9 | 4 | 0 | -77 | -390 | 0 | -467 |
| 35 | COLA LIFE/75% | NONE | 37 | -127 | -11 | 5 | 0 | -96 | -465 | 6 | -561 |
| 36 | COLA LIFE/50% | NONE | 15 | -56 | -5 | 2 | 0 | -44 | -232 | 0 | -276 |
| 37 | COLA LIFE/25% | NONE | 25 | -88 | -8 | 3 | 0 | -68 | -351 | 0 | -419 |
| 38 | COLA LIFE/0% | NONE | 32 | -112 | -10 | 4 | 0 | -86 | -429 | 0 | -515 |
| 39 | COLA LIFE/0% | NONE | 38 | -131 | -12 | 5 | 0 | -100 | -483 | 0 | -583 |
| 40 | COLA 62/75% + 3% PEN | NONE | 34 | -112 | -11 | 5 | 0 | -84 | -385 | 0 | -469 |
| 41 | COLA 62/75% + 3% PEN 200(0)/300(E)---0--0 | NONE | -6 | 19 | 1 | -1 | 0 | 13 | -223 | 102 | -108 |
| 42 | COLA 62/60% + 3% PEN | NONE | 217 | -389 | 73 | 5 | 0 | -94 | -350 | 0 | -444 |
| 43 | HIGH 3 | NONE | 3 | -14 | -1 | 0 | 0 | -12 | -50 | 0 | -62 |
| 44 | DEC 30% (1.75 MULT) | NONE | 32 | -112 | -10 | 4 | 0 | -86 | -365 | 0 | -451 |
| 45 | DEC 30% (1.75 MULT) | NONE | -5 | 14 | 1 | -1 | 0 | 9 | -207 | 82 | -116 |
| 46 | 3% PEN | NONE | 19 | -65 | -7 | 3 | 0 | -50 | -268 | 6 | -318 |
| 47 | 3% PEN | NONE | 24 | -84 | -7 | 3 | 0 | -64 | -327 | 69 | -46 |
| 48 | COLA 62/50% | NONE | -3 | 8 | 0 | -1 | 0 | 4 | -206 | 59 | -391 |
| 49 | COLA 62/50% | NONE | -3 | 8 | 0 | -1 | 0 | 4 | -206 | 59 | -391 |
| 50 | COLA 62/75% + 3% PEN | NONE | 27 | -95 | -9 | 4 | 0 | -73 | -370 | 0 | -443 |

L-1-B-120
ATCH 4

S DELTAS FROM CASE 2

SERVICE: USMC COMMUNITY: ENL

RETIREMENT
REF: OPTION:

51 COLA 62/75% + 3% PEN 200(0)/300(E)--0--0
52 DEC 30% (1.75 MULT) NONE
53 DEC 30% (1.75 MULT) 210-60-10G
54 3% PEN NONE
55 3% PEN 210--0--0
56 COLA 62/50% NONE
57 COLA 62/50% + 3% PEN 160--40--50
58 COLA 62/75% + 3% PEN NONE
59 COLA 62/75% + 3% PEN 200(0)/300(E)--0--0
60 SS OFFSET=1.25%/YR NONE
61 VEST 22,BEFORE SHIFT NONE
62 VEST 24,BEFORE SHIFT NONE
63 VEST 30,BEFORE SHIFT NONE
64 VEST 22,AFTER SHIFT NONE
65 VEST 24,AFTER SHIFT NONE
66 VEST 30,AFTER SHIFT NONE
67 RHA NONE
68 USRBA W/O LOAN NONE
69 USRBA WITH LOAN LOAN OPTION
70 PPSSCC OSD 248 NONE
71 PPSSCC USAF 1.9% NONE

| SOURCE: | GAIN | MAINT | S&I | LOSS | FIXED | FORCE | RETMT | EW TOTRET | TOTAL |
|--------------|------|-------|-----|------|-------|-------|-------|-----------|-------|
| ACOL B | -11 | 31 | 3 | -2 | 0 | 21 | -196 | 104 | -92 |
| DMSH(ACOL B) | 213 | -383 | 73 | 5 | 0 | -92 | -267 | 0 | -359 |
| DMSH(ACOL B) | 176 | -253 | 73 | 1 | 0 | -3 | -156 | 84 | -72 |
| DMSH(ACOL B) | 200 | -330 | 73 | 3 | 0 | -54 | -203 | 0 | -257 |
| DMSH(ACOL B) | 173 | -239 | 73 | 1 | 0 | 8 | -96 | 70 | -18 |
| DMSH(ACOL B) | 204 | -359 | 73 | 4 | 0 | -78 | -307 | 0 | -385 |
| DMSH(ACOL B) | 178 | -259 | 73 | 1 | 0 | -7 | -204 | 60 | -144 |
| DMSH(ACOL B) | 208 | -362 | 73 | 4 | 0 | -77 | -329 | 0 | -329 |
| DMSH(ACOL B) | 170 | -235 | 73 | 0 | 0 | 8 | -180 | 106 | -66 |
| ACOL A | 18 | -55 | -6 | 2 | 0 | -41 | -245 | 0 | -286 |
| ACOL A | 7 | -9 | -5 | 1 | 0 | -6 | -79 | 0 | -85 |
| ACOL A | 8 | -8 | -7 | 1 | 0 | 11 | -117 | 0 | -106 |
| ACOL A | -32 | -70 | -11 | 4 | 0 | -109 | -289 | 0 | -398 |
| ACOL A | 36 | -130 | -13 | 5 | 0 | -102 | -388 | 0 | -490 |
| ACOL A | 48 | -173 | -16 | 7 | 0 | -134 | -498 | 0 | -632 |
| ACOL A | 62 | -215 | -20 | 9 | 0 | -164 | -563 | 0 | -727 |
| ACOL A | 16 | -56 | -6 | 2 | 0 | -44 | -255 | 0 | -299 |
| ACOL A | 16 | -54 | -6 | 2 | 0 | -42 | -234 | 0 | -276 |
| ACOL A | -2 | -5 | -1 | -1 | 0 | 1 | -146 | 51 | -94 |
| ACOL A | 48 | -162 | -15 | 7 | 0 | -122 | -573 | 0 | -695 |
| ACOL A | 60 | -194 | -19 | 9 | 0 | -144 | -587 | 0 | -731 |

L-B-121
ATCH 4

% DELTAS FROM CASE 2

SERVICE: USMC COMMUNITY: ENL

RETIREMENT REALLOCATION
REF: OPTION: OPTION:

| REF | OPTION | SOURCE | GAIN | MAINT | S&I | LOSS | FIXED | FORCE | REIMI | EM TOTRET | TOTAL |
|-----|----------------------|--------------|------|-------|-----|------|-------|-------|-------|-----------|-------|
| 51 | COLA 62/75% + 3% PEN | ACOL B | -3 | 1 | 6 | -4 | 0 | 1 | -30 | ***** | -14 |
| 52 | DEC 30% (1.75 MULT) | DMSM(ACOL B) | 57 | -15 | 152 | 9 | 0 | -3 | -41 | 0 | -2 |
| 53 | DEC 30% (1.75 MULT) | DMSM(ACOL B) | 47 | -10 | 152 | 2 | 0 | 0 | -24 | ***** | -10 |
| 54 | 3% PEN | DMSM(ACOL B) | 54 | -13 | 152 | 5 | 0 | -2 | -31 | 0 | -7 |
| 55 | 3% PEN | DMSM(ACOL B) | 47 | -9 | 152 | 2 | 0 | 0 | -15 | ***** | -4 |
| 56 | COLA 62/50% | DMSM(ACOL B) | 55 | -14 | 152 | 7 | 0 | -3 | -47 | 0 | -10 |
| 57 | COLA 62/50% | DMSM(ACOL B) | 48 | -10 | 152 | 2 | 0 | 0 | -31 | ***** | -4 |
| 58 | COLA 62/75% + 3% PEN | DMSM(ACOL B) | 56 | -14 | 152 | 7 | 0 | -3 | -51 | 0 | -11 |
| 59 | COLA 62/75% + 3% PEN | DMSM(ACOL B) | 46 | -9 | 152 | 0 | 0 | 0 | -28 | ***** | -2 |
| 60 | SS OFFSET=1.25%/YR | ACOL A | 5 | -2 | -13 | 4 | 0 | -1 | -38 | 0 | -8 |
| 61 | VEST 22,BEFORE SHIFT | ACOL A | 2 | 0 | -10 | 2 | 0 | 0 | -12 | 0 | -2 |
| 62 | VEST 24,BEFORE SHIFT | ACOL A | 2 | 0 | -15 | 2 | 0 | 0 | -18 | 0 | -3 |
| 63 | VEST 30,BEFORE SHIFT | ACOL A | -9 | -3 | -23 | 7 | 0 | -4 | -45 | 0 | -11 |
| 64 | VEST 22,AFTER SHIFT | ACOL A | 10 | -5 | -27 | 9 | 0 | -3 | -60 | 0 | -13 |
| 65 | VEST 24,AFTER SHIFT | ACOL A | 13 | -7 | -33 | 13 | 0 | -4 | -77 | 0 | -17 |
| 66 | VEST 30,AFTER SHIFT | ACOL A | 17 | -8 | -42 | 16 | 0 | -5 | -87 | 0 | -20 |
| 67 | RMA | ACOL A | 4 | -2 | -13 | 4 | 0 | -1 | -39 | 0 | -8 |
| 68 | USRBA W/O LOAN | ACOL A | 4 | -2 | -13 | 4 | 0 | -1 | -36 | 0 | -7 |
| 69 | USRBA WITH LOAN | ACOL A | -1 | 0 | -2 | -2 | 0 | 0 | -23 | ***** | -3 |
| 70 | PPSSCC OSD 24B | ACOL A | 13 | -6 | -31 | 13 | 0 | -4 | -88 | 0 | -19 |
| 71 | PPSSCC USAF 1.9% | ACOL A | 16 | -7 | -40 | 16 | 0 | -5 | -91 | 0 | -20 |

L-D-123
ATCH 4

SERVICE: USMC COMMUNITY: BOTH

REF: RETIREMENT
OPTION: REALLOCATION

COSTS IN \$ MILLIONS

| REF: | RETIREMENT
OPTION: | REALLOCATION | SOURCE: | GAIN | MAINT | S&I | LOSS | FIXED | FORCE | REINT | EW TOTRET | TOTAL |
|------|-----------------------|---------------------|----------|------|-------|-----|------|-------|-------|-------|-----------|-------|
| 2 | TERM PAY | NONE | ACOL A/B | 831 | 3105 | 53 | 66 | 0 | 4055 | 953 | 0 | 5008 |
| 3 | HIGH 3 | NONE | ACOL A | 840 | 3087 | 59 | 66 | 0 | 4052 | 893 | 0 | 4945 |
| 4 | DEC 10% | NONE | ACOL A | 865 | 3047 | 56 | 68 | 0 | 4036 | 736 | 0 | 4772 |
| 5 | DEC 20% | NONE | ACOL A | 891 | 3009 | 52 | 69 | 0 | 4021 | 594 | 0 | 4615 |
| 6 | DEC 30% | 150--30--70 | ACOL A | 831 | 3099 | 60 | 66 | 0 | 4056 | 729 | 75 | 4860 |
| 7 | DEC 30% | NONE | ACOL A | 915 | 2976 | 50 | 71 | 0 | 4012 | 471 | 0 | 4483 |
| 8 | DEC 30% | 210--0--0 | ACOL A | 846 | 3070 | 60 | 66 | 0 | 4042 | 621 | 92 | 4755 |
| 9 | DEC 30% | 210--60--100 | ACOL A | 820 | 3112 | 60 | 65 | 0 | 4057 | 642 | 111 | 4810 |
| 10 | DEC 30% | NONE | ACOL A | 941 | 2943 | 47 | 73 | 0 | 4004 | 331 | 0 | 4335 |
| 11 | DEC 50% | NONE | ACOL A | 965 | 2915 | 45 | 74 | 0 | 3999 | 270 | 0 | 4269 |
| 12 | 1% PENALTY | NONE | ACOL A | 858 | 3063 | 56 | 67 | 0 | 4044 | 781 | 0 | 4825 |
| 13 | 1% PEN | 90--0--0 | ACOL A | 827 | 3109 | 60 | 65 | 0 | 4061 | 865 | 39 | 4968 |
| 14 | 2% PEN | NONE | ACOL A | 869 | 3040 | 52 | 69 | 0 | 4030 | 684 | 0 | 4714 |
| 15 | 2% PEN | 150--0--0 | ACOL A | 821 | 3176 | 60 | 64 | 0 | 4061 | 820 | 65 | 4946 |
| 16 | 3% PEN | NONE | ACOL A | 676 | 3118 | 50 | 70 | 0 | 4014 | 601 | 0 | 4615 |
| 17 | 3% PEN | 210--0--0 | ACOL A | 814 | 3124 | 60 | 64 | 0 | 4062 | 777 | 91 | 4930 |
| 18 | 4% PEN | NONE | ACOL A | 881 | 3009 | 49 | 70 | 0 | 4009 | 528 | 0 | 4537 |
| 19 | 4% PEN | 270--0--0 | ACOL A | 803 | 3137 | 60 | 64 | 0 | 4064 | 741 | 117 | 4922 |
| 20 | 5% PEN | NONE | ACOL A | 881 | 3003 | 48 | 70 | 0 | 4002 | 501 | 0 | 4503 |
| 21 | 6% PEN | NONE | ACOL A | 881 | 3001 | 48 | 70 | 0 | 4000 | 470 | 0 | 4470 |
| 22 | 6% PEN | 390--0--0 | ACOL A | 775 | 3184 | 62 | 62 | 0 | 4083 | 702 | 176 | 4861 |
| 23 | COLA 30/90% | NONE | ACOL A | 846 | 3079 | 58 | 67 | 0 | 4050 | 841 | 0 | 4891 |
| 24 | COLA 30/75% | NONE | ACOL A | 854 | 3065 | 56 | 67 | 0 | 4042 | 767 | 0 | 4809 |
| 25 | COLA 30/67% | NONE | ACOL A | 859 | 3058 | 56 | 67 | 0 | 4040 | 731 | 0 | 4771 |
| 26 | COLA 30/50% | NONE | ACOL A | 867 | 3044 | 53 | 68 | 0 | 4032 | 660 | 0 | 4692 |
| 27 | COLA 30/33% | NONE | ACOL A | 873 | 3031 | 52 | 69 | 0 | 4025 | 599 | 0 | 4624 |
| 28 | COLA 30/0% | NONE | ACOL A | 883 | 3007 | 50 | 70 | 0 | 4010 | 498 | 0 | 4508 |
| 29 | COLA 62/90% | NONE | ACOL A | 851 | 3069 | 57 | 67 | 0 | 4044 | 763 | 0 | 4807 |
| 30 | COLA 62/75% | NONE | ACOL A | 866 | 3044 | 56 | 68 | 0 | 4034 | 652 | 0 | 4686 |
| 31 | COLA 62/67% | NONE | ACOL A | 873 | 3033 | 54 | 68 | 0 | 4028 | 523 | 0 | 4651 |
| 32 | COLA 62/50% | NONE | ACOL A | 888 | 3010 | 52 | 69 | 0 | 4019 | 512 | 0 | 4531 |
| 33 | COLA 62/50% | 160--40--50 | ACOL A | 823 | 3113 | 60 | 64 | 0 | 4060 | 660 | 80 | 4800 |
| 34 | COLA 62/33% | NONE | ACOL A | 902 | 2990 | 50 | 70 | 0 | 4012 | 431 | 0 | 4443 |
| 35 | COLA 62/0% | NONE | ACOL A | 923 | 2960 | 48 | 72 | 0 | 4003 | 322 | 0 | 4325 |
| 36 | COLA LIFE/75% | NONE | ACOL A | 870 | 3041 | 48 | 68 | 0 | 4027 | 645 | 0 | 4672 |
| 37 | COLA LIFE/50% | NONE | ACOL A | 894 | 3004 | 45 | 69 | 0 | 4012 | 478 | 0 | 4490 |
| 38 | COLA LIFE/25% | NONE | ACOL A | 914 | 2976 | 43 | 71 | 0 | 4004 | 365 | 0 | 4369 |
| 39 | COLA LIFE/0% | NONE | ACOL A | 930 | 2953 | 41 | 72 | 0 | 3996 | 284 | 0 | 4280 |
| 40 | COLA 62/75% + 3% PEN | NONE | ACOL A | 896 | 2985 | 48 | 71 | 0 | 4000 | 463 | 0 | 4463 |
| 41 | COLA 62/75% + 3% PEN | 200(0)/300(E)--0--0 | ACOL A | 822 | 3126 | 61 | 64 | 0 | 4073 | 631 | 124 | 4828 |
| 42 | COLA 62/67% + 3% PEN | NONE | ACOL A | 1219 | 2749 | 138 | 71 | 0 | 4177 | 469 | 0 | 4646 |
| 43 | HIGH 3 | NONE | ACOL B | 841 | 3089 | 52 | 66 | 0 | 4048 | 892 | 0 | 4940 |
| 44 | DEC 30% (1.75 MULT) | NONE | ACOL B | 915 | 2975 | 43 | 71 | 0 | 4004 | 469 | 0 | 4473 |
| 45 | DEC 30% (1.75 MULT) | 210--60--100 | ACOL B | 814 | 3123 | 54 | 64 | 0 | 4055 | 652 | 114 | 4821 |
| 46 | 3% PEN | NONE | ACOL B | 867 | 3037 | 46 | 69 | 0 | 4019 | 623 | 0 | 4642 |
| 47 | 3% PEN | 210--0--0 | ACOL B | 806 | 3140 | 54 | 63 | 0 | 4063 | 755 | 93 | 4951 |
| 48 | COLA 62/50% | NONE | ACOL B | 885 | 3010 | 46 | 69 | 0 | 4013 | 522 | 0 | 4535 |
| 49 | COLA 62/50% | 160--40--50 | ACOL B | 819 | 3116 | 53 | 64 | 0 | 4052 | 663 | 82 | 4797 |
| 50 | COLA 62/75% + 3% PEN | NONE | ACOL B | 886 | 3003 | 44 | 70 | 0 | 4003 | 479 | 0 | 4482 |

L-B-124
ATCH 4

SERVICE: USMC COMMUNITY: BOTH

RETIREMENT REALLOCATION
REF: OPTION: OPTION:

51 COLA 62/75% + 3% PEN 200(0)/300(E)--0--0
52 DEC 30% (1.75 MULT) NONE 210-60-100
53 DEC 30% (1.75 MULT) NONE 210-60-100
54 3% PEN NONE 210-60-100
55 3% PEN NONE 210-60-100
56 COLA 62/50% + 3% PEN 160-40--50
57 COLA 62/75% + 3% PEN 200(0)/300(E)--0--0
58 COLA 62/75% + 3% PEN 200(0)/300(E)--0--0
59 SS OFFSET=1.25%/YR NONE
60 VEST 22, BEFORE SHIFT NONE
61 VEST 24, BEFORE SHIFT NONE
62 VEST 30, BEFORE SHIFT NONE
63 VEST 22, AFTER SHIFT NONE
64 VEST 24, AFTER SHIFT NONE
65 VEST 30, AFTER SHIFT NONE
66 RMA NONE
67 USRBA W/O LOAN NONE
68 USRBA WITH LOAN LOAN OPTION
69 PPSSCC OSD 248 NONE
70 PPSSCC USAF 1.9% NONE
71

| SOURCE: | GAIN | MAINT | S&I | LOSS | FIXED | FORCE | REINT | EW TOTRET | TOTAL |
|--------------|------|-------|-----|------|-------|-------|-------|-----------|-------|
| ACOL B | 815 | 3138 | 56 | 63 | 0 | 4072 | 670 | 126 | 4868 |
| DMSM(ACOL B) | 1233 | 2738 | 138 | 73 | 0 | 4182 | 589 | 0 | 4771 |
| DMSM(ACOL B) | 1130 | 2886 | 138 | 68 | 0 | 4222 | 714 | 117 | 5053 |
| DMSM(ACOL B) | 1184 | 2801 | 138 | 71 | 0 | 4194 | 681 | 0 | 4875 |
| DMSM(ACOL B) | 1122 | 2901 | 138 | 68 | 0 | 4229 | 800 | 95 | 5124 |
| DMSM(ACOL B) | 1204 | 2766 | 138 | 72 | 0 | 4180 | 559 | 0 | 4739 |
| DMSM(ACOL B) | 1135 | 2879 | 138 | 68 | 0 | 4220 | 676 | 83 | 4979 |
| DMSM(ACOL B) | 1203 | 2765 | 138 | 72 | 0 | 4178 | 515 | 0 | 4693 |
| DMSM(ACOL B) | 1131 | 2901 | 138 | 67 | 0 | 4237 | 682 | 129 | 5048 |
| ACOL A | 865 | 3047 | 53 | 68 | 0 | 4033 | 601 | 0 | 4634 |
| ACOL A | 821 | 3113 | 54 | 66 | 0 | 4054 | 864 | 0 | 4918 |
| ACOL A | 818 | 3135 | 52 | 66 | 0 | 4071 | 828 | 0 | 4899 |
| ACOL A | 799 | 3049 | 48 | 70 | 0 | 3966 | 623 | 0 | 4589 |
| ACOL A | 919 | 2958 | 46 | 72 | 0 | 3995 | 469 | 0 | 4464 |
| ACOL A | 956 | 2904 | 42 | 74 | 0 | 3976 | 339 | 0 | 4315 |
| ACOL A | 1024 | 2843 | 37 | 77 | 0 | 3981 | 221 | 0 | 4202 |
| ACOL A | 865 | 3045 | 47 | 68 | 0 | 4025 | 633 | 0 | 4658 |
| ACOL A | 869 | 3046 | 47 | 68 | 0 | 4030 | 650 | 0 | 4680 |
| ACOL A | 822 | 3113 | 52 | 66 | 0 | 4051 | 757 | 70 | 4878 |
| ACOL A | 917 | 2935 | 44 | 73 | 0 | 3969 | 179 | 0 | 4148 |
| ACOL A | 975 | 2887 | 39 | 76 | 0 | 3977 | 137 | 0 | 4114 |

L-B-125
ATCH 4

SERVICE: USMC COMMUNITY: BO1

REF: OPTION: REALLOCATION OPTION:

2 TERM PAY
3 HIGH 3
4 DEC 10%
5 DEC 20%
6 DEC 20%
7 DEC 30%
8 DEC 30%
9 DEC 30%
10 DEC 40%
11 DEC 50%
12 1% PENALTY
13 1% PEN
14 2% PEN
15 2% PEN
16 3% PEN
17 3% PEN
18 4% PEN
19 4% PEN
20 5% PEN
21 6% PEN
22 6% PEN
23 COLA 30/90%
24 COLA 30/75%
25 COLA 30/67%
26 COLA 30/50%
27 COLA 30/33%
28 COLA 30/0%
29 COLA 62/90%
30 COLA 62/75%
31 COLA 62/67%
32 COLA 62/50%
33 COLA 62/50%
34 COLA 62/33%
35 COLA 62/0%
36 COLA LIFE/75%
37 COLA LIFE/50%
38 COLA LIFE/25%
39 COLA LIFE/0%
40 COLA 62/75% + 3% PEN
41 COLA 62/75% + 3% PEN
42 COLA 62/67% + 3% PEN
43 HIGH 3
44 DEC 30% (1.75 MULT)
45 DEC 30% (1.75 MULT)
46 3% PEN
47 3% PEN
48 COLA 62/50%
49 COLA 62/50%
50 COLA 62/75% + 3% PEN

L-B-126
ATCH 4

\$ DELTAS FROM CASE 2

| SOURCE: | GAIN | MAINT | S&I | LOSS | FIXED | FORCE | RETM | EW | TOTRET | TOTAL |
|----------|------|-------|-----|------|-------|-------|------|-----|--------|-------|
| ACOL A/B | 831 | 3105 | 53 | 66 | 0 | 4055 | 953 | 0 | 953 | 5008 |
| ACOL A | 9 | -18 | 6 | 0 | 0 | -3 | -60 | 0 | -60 | -63 |
| ACOL A | 34 | -58 | 3 | 2 | 0 | -19 | -217 | 0 | -217 | -236 |
| ACOL A | 60 | -96 | -1 | 3 | 0 | -34 | -359 | 0 | -359 | -393 |
| ACOL A | 0 | -6 | 7 | 0 | 0 | 1 | -224 | 75 | -149 | -148 |
| ACOL A | 84 | -129 | -3 | 5 | 0 | -43 | -482 | 0 | -482 | -525 |
| ACOL A | 15 | -35 | 7 | 0 | 0 | -13 | -332 | 92 | -240 | -253 |
| ACOL A | 11 | 7 | 7 | -1 | 0 | 2 | -311 | 111 | -200 | -198 |
| ACOL A | 110 | -162 | -6 | 7 | 0 | -51 | -622 | 0 | -622 | -673 |
| ACOL A | 134 | -190 | -8 | 8 | 0 | -56 | -683 | 0 | -683 | -739 |
| ACOL A | 27 | -42 | 3 | 1 | 0 | -11 | -172 | 0 | -172 | -183 |
| ACOL A | 4 | 4 | 7 | -1 | 0 | 6 | -85 | 39 | -46 | -40 |
| ACOL A | 38 | -65 | -1 | 3 | 0 | -25 | -269 | 0 | -269 | -294 |
| ACOL A | -10 | 11 | 7 | -2 | 0 | 6 | -133 | 65 | -68 | -62 |
| ACOL A | 45 | -87 | -3 | 4 | 0 | -41 | -352 | 0 | -352 | -393 |
| ACOL A | -17 | 19 | -3 | -2 | 0 | 7 | -176 | 91 | -85 | -78 |
| ACOL A | 50 | -96 | -4 | 4 | 0 | -46 | -425 | 0 | -425 | -471 |
| ACOL A | -28 | 32 | 7 | -2 | 0 | 9 | -212 | 117 | -95 | -86 |
| ACOL A | 50 | -102 | -5 | 4 | 0 | -53 | -452 | 0 | -452 | -505 |
| ACOL A | 50 | -104 | -5 | 4 | 0 | -55 | -483 | 0 | -483 | -538 |
| ACOL A | -56 | 75 | 9 | -4 | 0 | 28 | -251 | 176 | -75 | -71 |
| ACOL A | 15 | -26 | 5 | 1 | 0 | -5 | -112 | 0 | -112 | -117 |
| ACOL A | 23 | -40 | 3 | 1 | 0 | -13 | -186 | 0 | -186 | -199 |
| ACOL A | 28 | -47 | 3 | 1 | 0 | -15 | -222 | 0 | -222 | -237 |
| ACOL A | 36 | -61 | 0 | 2 | 0 | -23 | -293 | 0 | -293 | -316 |
| ACOL A | 42 | -74 | -1 | 3 | 0 | -30 | -354 | 0 | -354 | -384 |
| ACOL A | 52 | -98 | -3 | 4 | 0 | -45 | -455 | 0 | -455 | -500 |
| ACOL A | 20 | -36 | 4 | 1 | 0 | -11 | -190 | 0 | -190 | -201 |
| ACOL A | 35 | -61 | 3 | 2 | 0 | -21 | -301 | 0 | -301 | -322 |
| ACOL A | 42 | -72 | 1 | 2 | 0 | -27 | -330 | 0 | -330 | -357 |
| ACOL A | 57 | -95 | -1 | 3 | 0 | -36 | -441 | 0 | -441 | -477 |
| ACOL A | -8 | 8 | 7 | -2 | 0 | 5 | -293 | 80 | -213 | -208 |
| ACOL A | 71 | -115 | -3 | 4 | 0 | -43 | -522 | 0 | -522 | -565 |
| ACOL A | 92 | -145 | -5 | 6 | 0 | -52 | -631 | 0 | -631 | -683 |
| ACOL A | 39 | -64 | -5 | 2 | 0 | -28 | -308 | 0 | -308 | -336 |
| ACOL A | 63 | -101 | -8 | 3 | 0 | -43 | -475 | 0 | -475 | -518 |
| ACOL A | 83 | -129 | -10 | 5 | 0 | -51 | -588 | 0 | -588 | -639 |
| ACOL A | 99 | -152 | -12 | 6 | 0 | -59 | -669 | 0 | -669 | -728 |
| ACOL A | 65 | -120 | -5 | 5 | 0 | -55 | -490 | 0 | -490 | -545 |
| ACOL A | -9 | 21 | 8 | -2 | 0 | 18 | -322 | 124 | -198 | -180 |
| ACOL A | 388 | -356 | 85 | 5 | 0 | 122 | -484 | 0 | -484 | -562 |
| ACOL A | 10 | -16 | -1 | 0 | 0 | -7 | -61 | 0 | -61 | -68 |
| ACOL B | 84 | -130 | -10 | 5 | 0 | -51 | -484 | 0 | -484 | -535 |
| ACOL B | -17 | 18 | 1 | -2 | 0 | 0 | -301 | 114 | -187 | -187 |
| ACOL B | 36 | -68 | -7 | 3 | 0 | -36 | -330 | 0 | -330 | -366 |
| ACOL B | -25 | 35 | 1 | -3 | 0 | 8 | -158 | 93 | -65 | -57 |
| ACOL B | 57 | -95 | -7 | 3 | 0 | -42 | -290 | 0 | -431 | -473 |
| ACOL B | -12 | 11 | 0 | -2 | 0 | -3 | -290 | 82 | -208 | -211 |
| ACOL B | 55 | -102 | -9 | 4 | 0 | -52 | -474 | 0 | -474 | -526 |

SERVICE: USMC COMMUNITY: BOTH

\$ DELTAS FROM CASE 2

RETIREMENT
REF: OPTION:

REALLOCATION
OPTION:

| REF: | OPTION: | SOURCE: | GAIN | MAINT | S&I | LOSS | FIXED | FORCE | RETWT | EW TOTRET | TOTAL |
|------|---|--------------|------|-------|-----|------|-------|-------|-------|-----------|-------|
| 51 | COLA 62/75% + 3% PEN 200(0)/300(E) --0--0 | ACOL B | -16 | 33 | 3 | -3 | 0 | 17 | -283 | 126 | -157 |
| 52 | DEC 30% (1.75 MULT) | DMSM(ACOL B) | 402 | -367 | 85 | 7 | 0 | 127 | -364 | 0 | -237 |
| 53 | DEC 30% (1.75 MULT) | DMSM(ACOL B) | 299 | -219 | 85 | 2 | 0 | 167 | -239 | 117 | 45 |
| 54 | 3% PEN | DMSM(ACOL B) | 353 | -304 | 85 | 5 | 0 | 139 | -272 | 0 | -133 |
| 55 | 3% PEN | DMSM(ACOL B) | 291 | -204 | 85 | 2 | 0 | 174 | -153 | 95 | 116 |
| 56 | COLA 62/50% + 3% PEN | DMSM(ACOL B) | 373 | -339 | 85 | 6 | 0 | 125 | -394 | 0 | -269 |
| 57 | COLA 62/50% + 3% PEN | DMSM(ACOL B) | 304 | -226 | 85 | 2 | 0 | 165 | -277 | 83 | -194 |
| 58 | COLA 62/75% + 3% PEN 200(0)/300(E) --0--0 | DMSM(ACOL B) | 372 | -340 | 85 | 6 | 0 | 123 | -438 | 0 | -375 |
| 59 | SS OFFSET=1.25%/YR | ACOL A | 300 | -204 | 85 | 1 | 0 | 182 | -271 | 129 | 40 |
| 60 | VEST 22, BEFORE SHIFT | ACOL A | 34 | -58 | 0 | 2 | 0 | -22 | -352 | 0 | -374 |
| 61 | VEST 24, BEFORE SHIFT | ACOL A | -10 | 30 | 1 | 0 | 0 | -1 | -89 | 0 | -90 |
| 62 | VEST 30, BEFORE SHIFT | ACOL A | -13 | -56 | -1 | 0 | 0 | 16 | -125 | 0 | -109 |
| 63 | VEST 22, AFTER SHIFT | ACOL A | 88 | -147 | -5 | 4 | 0 | -89 | -330 | 0 | -419 |
| 64 | VEST 24, AFTER SHIFT | ACOL A | 125 | -201 | -7 | 6 | 0 | -60 | -484 | 0 | -544 |
| 65 | VEST 30, AFTER SHIFT | ACOL A | 193 | -262 | -11 | 8 | 0 | -79 | -614 | 0 | -693 |
| 66 | RMA | ACOL A | 34 | -60 | -16 | 11 | 0 | -74 | -732 | 0 | -806 |
| 67 | USRBA W/O LOAN | ACOL A | 38 | -59 | -6 | 2 | 0 | -30 | -320 | 0 | -350 |
| 68 | USRBA WITH LOAN | ACOL A | -9 | 8 | -6 | 2 | 0 | -25 | -303 | 0 | -328 |
| 69 | PPSSCC OSD 24B | ACOL A | 86 | -170 | -1 | -2 | 0 | -4 | -196 | 70 | -130 |
| 70 | PPSSCC USAF 1.9% | ACOL A | 144 | -218 | -9 | 7 | 0 | -86 | -774 | 0 | -860 |
| 71 | | ACOL A | | | -14 | 10 | 0 | -78 | -816 | 0 | -894 |

L-B-127
ATCH 4

SERVICE: USMC COMMUNITY: BOTH

REF: RETIREMENT
OPTION: REALLOCATION

2 TERM PAY
3 HIGH 3
4 DEC 10%
5 DEC 20%
6 DEC 20%
7 DEC 30%
8 DEC 30%
9 DEC 30%
10 DEC 40%
11 DEC 50%
12 1% PENALTY
13 1% PEN
14 2% PEN
15 2% PEN
16 3% PEN
17 3% PEN
18 4% PEN
19 4% PEN
20 5% PEN
21 6% PEN
22 6% PEN
23 COLA 30/90%
24 COLA 30/75%
25 COLA 30/67%
26 COLA 30/50%
27 COLA 30/33%
28 COLA 30/0%
29 COLA 62/90%
30 COLA 62/75%
31 COLA 62/67%
32 COLA 62/50%
33 COLA 62/50%
34 COLA 62/33%
35 COLA 62/0%
36 COLA LIFE/75%
37 COLA LIFE/50%
38 COLA LIFE/25%
39 COLA LIFE/0%
40 COLA 62/75% + 3% PEN
41 COLA 62/75% + 3% PEN
42 COLA 62/67% + 3% PEN
43 HIGH 3
44 DEC 30% (1.75 MULT)
45 DEC 30% (1.75 MULT)
46 3% PEN
47 3% PEN
48 COLA 62/50%
49 COLA 62/50%
50 COLA 62/75% + 3% PEN

L-B-128
ATCH 4

% DELTAS FROM CASE 2

| SOURCE: | CAIN | MAINT | S&I | LOSS | FIXED | FORCE | REMT | EW | TOTRET | TOTAL |
|----------|------|-------|-----|------|-------|-------|------|-------|--------|-------|
| ACOL A/B | 831 | 3105 | 53 | 66 | 0 | 4055 | 953 | 0 | 953 | 5008 |
| ACOL A | 1 | -1 | 11 | 0 | 0 | 0 | -6 | 0 | -6 | -1 |
| ACOL A | 4 | -2 | 6 | 3 | 0 | 0 | -23 | 0 | -23 | -5 |
| ACOL A | 7 | -3 | -2 | 5 | 0 | -1 | -38 | 0 | -38 | -8 |
| ACOL A | 0 | 0 | 13 | 0 | 0 | 0 | -24 | ***** | -16 | -3 |
| ACOL A | 10 | -4 | -6 | 8 | 0 | -1 | -51 | 0 | -51 | -10 |
| ACOL A | 2 | -1 | 13 | 0 | 0 | 0 | -35 | ***** | -25 | -5 |
| ACOL A | -1 | 0 | 13 | -2 | 0 | 0 | -33 | ***** | -21 | -4 |
| ACOL A | 13 | -5 | -11 | 11 | 0 | -1 | -65 | 0 | -65 | -13 |
| ACOL A | 16 | -6 | -15 | 12 | 0 | -1 | -72 | 0 | -72 | -15 |
| ACOL A | 3 | -1 | 6 | 2 | 0 | 0 | -18 | 0 | -18 | -4 |
| ACOL A | 0 | 0 | 13 | -2 | 0 | 0 | -9 | ***** | -9 | -1 |
| ACOL A | 5 | -2 | -2 | 5 | 0 | -1 | -28 | 0 | -28 | -6 |
| ACOL A | -1 | 0 | 13 | -3 | 0 | 0 | -14 | ***** | -7 | -1 |
| ACOL A | 5 | -3 | -6 | 6 | 0 | -1 | -37 | 0 | -37 | -2 |
| ACOL A | -2 | 1 | 13 | -3 | 0 | 0 | -18 | ***** | -9 | -2 |
| ACOL A | 6 | -3 | -8 | 6 | 0 | -1 | -45 | 0 | -45 | -9 |
| ACOL A | -3 | 1 | 13 | -3 | 0 | 0 | -22 | ***** | -10 | -2 |
| ACOL A | 6 | -3 | -5 | 6 | 0 | -1 | -47 | 0 | -47 | -10 |
| ACOL A | 6 | -3 | -9 | 6 | 0 | -1 | -51 | 0 | -51 | -11 |
| ACOL A | -7 | 3 | 17 | -6 | 0 | 1 | -26 | ***** | -8 | -1 |
| ACOL A | 2 | -1 | 9 | 2 | 0 | 0 | -12 | 0 | -12 | -2 |
| ACOL A | 3 | -1 | 6 | 2 | 0 | 0 | -20 | 0 | -20 | -4 |
| ACOL A | 3 | -2 | 6 | 3 | 0 | 0 | -23 | 0 | -23 | -5 |
| ACOL A | 4 | -2 | 0 | 3 | 0 | -1 | -31 | 0 | -31 | -6 |
| ACOL A | 5 | -2 | -2 | 3 | 0 | -1 | -37 | 0 | -37 | -8 |
| ACOL A | 5 | -3 | -6 | 6 | 0 | -1 | -48 | 0 | -48 | -10 |
| ACOL A | 2 | -1 | 8 | 6 | 0 | 0 | -20 | 0 | -20 | -4 |
| ACOL A | 4 | -2 | 6 | 3 | 0 | -1 | -35 | 0 | -35 | -6 |
| ACOL A | 5 | -2 | 2 | 3 | 0 | -1 | -46 | 0 | -46 | -7 |
| ACOL A | -1 | -3 | -2 | -3 | 0 | 0 | -31 | ***** | -22 | -10 |
| ACOL A | 9 | -4 | 13 | 6 | 0 | -1 | -55 | 0 | -55 | -4 |
| ACOL A | 11 | -5 | -9 | 9 | 0 | -1 | -66 | 0 | -66 | -14 |
| ACOL A | 5 | -2 | -9 | 3 | 0 | -1 | -32 | 0 | -32 | -11 |
| ACOL A | 8 | -3 | -15 | 5 | 0 | -1 | -50 | 0 | -50 | -14 |
| ACOL A | 10 | -4 | -19 | 8 | 0 | -1 | -62 | 0 | -62 | -10 |
| ACOL A | 12 | -5 | -23 | 9 | 0 | -1 | -70 | 0 | -70 | -13 |
| ACOL A | 8 | -4 | -9 | 8 | 0 | -1 | -51 | 0 | -51 | -15 |
| ACOL A | -1 | -1 | 15 | -3 | 0 | 0 | -34 | ***** | -21 | -4 |
| ACOL A | 47 | -11 | 160 | 8 | 0 | 3 | -51 | 0 | -51 | -4 |
| ACOL B | 1 | -1 | -2 | 0 | 0 | 0 | -6 | 0 | -6 | -1 |
| ACOL B | 10 | -4 | -19 | 8 | 0 | -1 | -51 | 0 | -51 | -6 |
| ACOL B | -2 | 1 | 2 | -3 | 0 | 0 | -32 | ***** | -20 | -11 |
| ACOL B | 4 | -2 | -13 | 5 | 0 | -1 | -35 | 0 | -35 | -4 |
| ACOL B | -3 | 1 | -13 | -5 | 0 | 0 | -17 | ***** | -7 | -1 |
| ACOL B | -1 | -3 | -13 | -5 | 0 | -1 | -45 | 0 | -45 | -9 |
| ACOL B | -1 | -7 | -17 | -3 | 0 | -1 | -30 | ***** | -22 | -4 |
| ACOL B | 7 | -3 | -17 | -6 | 0 | -1 | -50 | 0 | -50 | -11 |

% DELTAS FROM CASE 2

SERVICE: USMC COMMUNITY: BOTH

RETIREMENT
REF. OPTION:

51 COLA 62/75% + 3% PEN 200(0)/300(E)--0--0
52 DEC 30% (1.75 MULT) NONE
53 DEC 30% (1.75 MULT) 210-60-100
54 3% PEN NONE
55 3% PEN 210--0--0
56 COLA 62/50% NONE
57 COLA 62/75% + 3% PEN 160--40--50
58 COLA 62/75% + 3% PEN 200(G)/300(E)--0--C
59 SS OFFSET=1.25%/YR NONE
60 VEST 22,BEFORE SHIFT NONE
61 VEST 24,BEFORE SHIFT NONE
62 VEST 30,BEFORE SHIFT NONE
63 VEST 22,AFTER SHIFT NONE
64 VEST 24,AFTER SHIFT NONE
65 VEST 30,AFTER SHIFT NONE
66 RMA NONE
67 USRBA W/O LOAN NONE
68 USRBA WITH LOAN LOAN OPTION
69 PPSSCC OSD 24B NONE
70 PPSSCC USAF 1.9% NONE
71

| SOURCE: | GAIN | MAINT | S&I | LOSS | FIXED | FCRCE | REMT | EW TOTRET | TOTAL |
|--------------|------|-------|-----|------|-------|-------|------|-----------|-------|
| ACOL B | -2 | 1 | 6 | -5 | 0 | 0 | -30 | ***** | -16 |
| DMSH(ACOL B) | 48 | -12 | 160 | 11 | 0 | 3 | -38 | 0 | -38 |
| DMSH(ACOL B) | 36 | -7 | 160 | 3 | 0 | 4 | -25 | ***** | -13 |
| DMSH(ACOL B) | 42 | -10 | 160 | 8 | 0 | 3 | -29 | 0 | -29 |
| DMSH(ACOL B) | 35 | -7 | 160 | 3 | 0 | 4 | -16 | ***** | -6 |
| DMSH(ACOL B) | 45 | -11 | 160 | 9 | 0 | 3 | -41 | 0 | -41 |
| DMSH(ACOL B) | 37 | -7 | 160 | 3 | 0 | 4 | -29 | ***** | -20 |
| DMSH(ACOL B) | 45 | -11 | 160 | 9 | 0 | 3 | -46 | 0 | -46 |
| DMSH(ACOL B) | 36 | -7 | 160 | 2 | 0 | 4 | -28 | ***** | -15 |
| ACOL A | 4 | -2 | 0 | 3 | 0 | -1 | -37 | 0 | -37 |
| ACOL A | -1 | 0 | 2 | 0 | 0 | 0 | -9 | 0 | -9 |
| ACOL A | -2 | 1 | -2 | 0 | 0 | 0 | -13 | 0 | -13 |
| ACOL A | -4 | -2 | -9 | 6 | 0 | -2 | -35 | 0 | -35 |
| ACOL A | 11 | -5 | -13 | 9 | 0 | -1 | -51 | 0 | -51 |
| ACOL A | 15 | -6 | -21 | 12 | 0 | -2 | -64 | 0 | -64 |
| ACOL A | 23 | -8 | -30 | 17 | 0 | -2 | -77 | 0 | -77 |
| ACOL A | 4 | -2 | -11 | 3 | 0 | -1 | -34 | 0 | -34 |
| ACOL A | 5 | -2 | -11 | 3 | 0 | -1 | -32 | 0 | -32 |
| ACOL A | -1 | 0 | -2 | -3 | 0 | 0 | -21 | ***** | -7 |
| ACOL A | 13 | -5 | -17 | 11 | 0 | 0 | -81 | 0 | -81 |
| ACOL A | 17 | -7 | -26 | 15 | 0 | -2 | -86 | 0 | -86 |

L-B-129
ATCH 4

SERVICE: USAF COMMUNITY: OFF

REF: RETIREMENT
OPTION: REALLOCATION

SOURCE:

ACOL A/B

GAIN

HAINT

S&I

LOSS

FIXED

FORCE

REINT

EM TOTRET

TOTAL

| | | | | | | | | | | | | |
|----|----------------------|------|------|------|-----|----|---|------|------|-----|------|------|
| 2 | TERM PAY | NONE | 824 | 3077 | 150 | 43 | 0 | 4094 | 2182 | 0 | 2182 | 6276 |
| 3 | HIGH 3 | NONE | 838 | 3064 | 188 | 44 | 0 | 4134 | 2075 | 0 | 2075 | 6209 |
| 4 | DEC 10% | NONE | 876 | 3023 | 187 | 46 | 0 | 4132 | 1814 | 0 | 1814 | 5946 |
| 5 | DEC 20% | NONE | 907 | 2983 | 185 | 48 | 0 | 4123 | 1559 | 0 | 1559 | 5682 |
| 6 | DEC 30% | NONE | 927 | 3067 | 189 | 43 | 0 | 4126 | 1677 | 159 | 1836 | 5962 |
| 7 | DEC 30% + 3% PEN | NONE | 945 | 2942 | 183 | 50 | 0 | 4120 | 1311 | 0 | 1311 | 5431 |
| 8 | DEC 30% + 3% PEN | NONE | 852 | 3020 | 188 | 45 | 0 | 4105 | 1457 | 183 | 1640 | 5745 |
| 9 | DEC 30% + 3% PEN | NONE | 814 | 3082 | 189 | 43 | 0 | 4128 | 1478 | 237 | 1715 | 5843 |
| 10 | DEC 40% | NONE | 984 | 2901 | 181 | 52 | 0 | 4118 | 1074 | 0 | 1074 | 5192 |
| 11 | DEC 50% | NONE | 1023 | 2861 | 178 | 54 | 0 | 4116 | 853 | 0 | 853 | 4969 |
| 12 | 1% PENALTY | NONE | 854 | 3056 | 187 | 45 | 0 | 4142 | 1923 | 0 | 1923 | 6065 |
| 13 | 1% PEN | NONE | 819 | 3088 | 189 | 43 | 0 | 4139 | 1995 | 77 | 2022 | 6211 |
| 14 | 2% PEN | NONE | 867 | 3049 | 186 | 46 | 0 | 4148 | 1792 | 0 | 1792 | 5940 |
| 15 | 2% PEN | NONE | 810 | 3105 | 189 | 43 | 0 | 4147 | 1896 | 127 | 2023 | 6170 |
| 16 | 3% PEN | NONE | 867 | 3047 | 185 | 46 | 0 | 4145 | 1684 | 0 | 1684 | 5829 |
| 17 | 3% PEN | NONE | 795 | 3123 | 189 | 42 | 0 | 4149 | 1813 | 178 | 1991 | 6140 |
| 18 | 4% PEN | NONE | 875 | 3048 | 184 | 46 | 0 | 4153 | 1479 | 0 | 1479 | 5632 |
| 19 | 4% PEN | NONE | 233 | 3145 | 190 | 35 | 0 | 3603 | 1742 | 230 | 1912 | 5575 |
| 20 | 5% PEN | NONE | 875 | 3052 | 184 | 46 | 0 | 4157 | 1533 | 0 | 1533 | 5690 |
| 21 | 6% PEN | NONE | 874 | 3057 | 184 | 46 | 0 | 4161 | 1479 | 0 | 1479 | 5640 |
| 22 | 6% PEN | NONE | 744 | 3192 | 191 | 39 | 0 | 4166 | 1623 | 336 | 1959 | 6125 |
| 23 | COLA 30/90% | NONE | 844 | 3060 | 188 | 44 | 0 | 4136 | 1990 | 0 | 1990 | 6126 |
| 24 | COLA 30/75% | NONE | 854 | 3053 | 187 | 45 | 0 | 4139 | 1869 | 0 | 1869 | 6008 |
| 25 | COLA 30/67% | NONE | 859 | 3049 | 187 | 45 | 0 | 4140 | 1809 | 0 | 1809 | 5949 |
| 26 | COLA 30/50% | NONE | 868 | 3042 | 186 | 46 | 0 | 4142 | 1692 | 0 | 1692 | 5834 |
| 27 | COLA 30/33% | NONE | 874 | 3036 | 185 | 46 | 0 | 4141 | 1586 | 0 | 1586 | 5727 |
| 28 | COLA 30/0% | NONE | 881 | 3027 | 185 | 46 | 0 | 4139 | 1409 | 0 | 1409 | 5548 |
| 29 | COLA 62/90% | NONE | 851 | 3050 | 187 | 45 | 0 | 4133 | 1861 | 0 | 1861 | 5994 |
| 30 | COLA 62/75% | NONE | 871 | 3028 | 186 | 46 | 0 | 4131 | 1668 | 0 | 1668 | 5799 |
| 31 | COLA 62/67% | NONE | 881 | 3017 | 186 | 46 | 0 | 4130 | 1617 | 0 | 1617 | 5747 |
| 32 | COLA 62/50% | NONE | 901 | 2995 | 185 | 47 | 0 | 4128 | 1422 | 0 | 1422 | 5550 |
| 33 | COLA 62/33% | NONE | 814 | 3089 | 189 | 43 | 0 | 4135 | 1558 | 169 | 1727 | 5862 |
| 34 | COLA 62/0% | NONE | 920 | 2973 | 184 | 48 | 0 | 4125 | 1235 | 0 | 1235 | 5360 |
| 35 | COLA 62/0% | NONE | 953 | 2937 | 182 | 50 | 0 | 4122 | 988 | 0 | 988 | 5110 |
| 36 | COLA LIFE/75% | NONE | 877 | 3018 | 145 | 46 | 0 | 4089 | 1617 | 0 | 1617 | 5706 |
| 37 | COLA LIFE/50% | NONE | 912 | 2979 | 147 | 48 | 0 | 4086 | 1279 | 0 | 1279 | 5365 |
| 38 | COLA LIFE/25% | NONE | 941 | 2946 | 147 | 50 | 0 | 4084 | 1029 | 0 | 1029 | 5113 |
| 39 | COLA LIFE/0% | NONE | 967 | 2919 | 146 | 51 | 0 | 4083 | 842 | 0 | 842 | 4925 |
| 40 | COLA 62/75% + 3% PEN | NONE | 899 | 3012 | 184 | 47 | 0 | 4142 | 1402 | 0 | 1402 | 5544 |
| 41 | COLA 62/75% + 3% PEN | NONE | 822 | 3087 | 188 | 43 | 0 | 4140 | 1465 | 166 | 1631 | 5771 |
| 42 | COLA 62/75% + 3% PEN | NONE | 1340 | 3212 | 207 | 46 | 0 | 4805 | 1375 | 0 | 1375 | 6180 |
| 43 | HIGH 3 | NONE | 838 | 3063 | 149 | 44 | 0 | 4094 | 2077 | 0 | 2077 | 6171 |
| 44 | DEC 30% (1.75 MULT) | NONE | 944 | 2942 | 147 | 50 | 0 | 4083 | 1312 | 0 | 1312 | 5395 |
| 45 | DEC 30% (1.75 MULT) | NONE | 813 | 3081 | 150 | 43 | 0 | 4087 | 1481 | 238 | 1719 | 5806 |
| 46 | 3% PEN | NONE | 870 | 3048 | 147 | 46 | 0 | 4111 | 1693 | 0 | 1693 | 5804 |
| 47 | 3% PEN | NONE | 794 | 3122 | 149 | 42 | 0 | 4107 | 1820 | 179 | 1999 | 6106 |
| 48 | COLA 62/50% | NONE | 901 | 2994 | 148 | 47 | 0 | 4090 | 1424 | 0 | 1424 | 5514 |
| 49 | COLA 62/50% | NONE | 813 | 3089 | 150 | 43 | 0 | 4095 | 1560 | 170 | 1750 | 5825 |
| 50 | COLA 62/75% + 3% PEN | NONE | 896 | 3013 | 147 | 47 | 0 | 4103 | 1410 | 0 | 1410 | 5513 |

L-B-130
ATCH 4

SERVICE: USAF COMMUNITY: OFF

REF: OPTION: RETIREMENT REALLOCATION OPTION:

| REF: | RETIREMENT
OPTION: | REALLOCATION
OPTION: | SOURCE: | GAIN | MAINT | S&I | LOSS | FIXED | FORCE | REINT | EW | TOTRET | TOTAL |
|------|-----------------------|-------------------------|--------------|------|-------|-----|------|-------|-------|-------|-----|--------|-------|
| 51 | COLA 62/75% + 3% PEN | 20G(0)/300(E)--0--0 | ACOL B | 820 | 3087 | 149 | 43 | 0 | 4099 | 1518 | 166 | 1684 | 5783 |
| 52 | DEC 30% (1.75 MULT) | NONE | DMSM(ACOL B) | 1377 | 3129 | 207 | 47 | 0 | 4760 | 1310 | 0 | 1310 | 6070 |
| 53 | DEC 30% (1.75 MULT) | 210--60--100 | DMSM(ACOL B) | 1245 | 3257 | 207 | 42 | 0 | 4751 | 1398 | 238 | 1636 | 6387 |
| 54 | 3% PEN | NONE | DMSM(ACOL B) | 1302 | 3215 | 207 | 47 | 0 | 4771 | 1598 | 0 | 1598 | 6369 |
| 55 | 3% PEN | 210--0--0 | DMSM(ACOL B) | 1226 | 3291 | 207 | 44 | 0 | 4768 | 1698 | 189 | 1887 | 6655 |
| 56 | COLA 62/50% | NONE | DMSM(ACOL B) | 1333 | 3170 | 207 | 45 | 0 | 4755 | 1368 | 0 | 1368 | 6123 |
| 57 | COLA 62/50% | 160--40--50 | DMSM(ACOL B) | 1245 | 3255 | 207 | 42 | 0 | 4749 | 1446 | 172 | 1618 | 6367 |
| 58 | COLA 62/75% + 3% PEN | NONE | DMSM(ACOL B) | 1329 | 3173 | 207 | 45 | 0 | 4754 | 1217 | 0 | 1217 | 5971 |
| 59 | COLA 62/75% + 3% PEN | 20G(0)/300(E)--0--0 | DMSM(ACOL B) | 1252 | 3245 | 207 | 42 | 0 | 4746 | 1326 | 176 | 1502 | 6248 |
| 60 | SS OFFSET=1.25%/YR | NONE | ACOL A | 861 | 3056 | 186 | 45 | 0 | 4148 | 1467 | 0 | 1467 | 5615 |
| 61 | VEST 22,BEFORE SHIFT | NONE | ACOL A | 799 | 3162 | 189 | 42 | 0 | 4192 | 2111 | 0 | 2111 | 6303 |
| 62 | VEST 24,BEFORE SHIFT | NONE | ACOL A | 793 | 3190 | 188 | 42 | 0 | 4213 | 2093 | 0 | 2093 | 6306 |
| 63 | VEST 30,BEFORE SHIFT | NONE | ACOL A | 835 | 3160 | 182 | 44 | 0 | 4221 | 1850 | 0 | 1850 | 6071 |
| 64 | VEST 22,AFTER SHIFT | NONE | ACOL A | 923 | 2975 | 183 | 49 | 0 | 4130 | 1508 | 0 | 1508 | 5638 |
| 65 | VEST 24,AFTER SHIFT | NONE | ACOL A | 994 | 2881 | 179 | 52 | 0 | 4106 | 1343 | 0 | 1343 | 5449 |
| 66 | VEST 30,AFTER SHIFT | NONE | ACOL A | 1134 | 2706 | 172 | 60 | 0 | 4072 | 972 | 0 | 972 | 5044 |
| 67 | RMA | NONE | ACOL A | 871 | 3039 | 147 | 46 | 0 | 4103 | 1755 | 0 | 1755 | 5858 |
| 68 | USRBA W/O LOAN | NONE | ACOL A | 882 | 3027 | 147 | 46 | 0 | 4102 | 1724 | 0 | 1724 | 5826 |
| 69 | USRBA WITH LOAN | LOAN OPTION | ACOL A | 816 | 3093 | 149 | 43 | 0 | 4101 | 1863 | 138 | 2001 | 6102 |
| 70 | PPSSCC OSD 24B | NONE | ACOL A | 924 | 2989 | 182 | 49 | 0 | 4144 | 689 | 0 | 689 | 4833 |
| 71 | PPSSCC USAF 1.9% | NONE | ACOL A | 1027 | 2880 | 177 | 54 | 0 | 4138 | 525 | 0 | 525 | 4663 |

L-B-131
ATCH 4

S DELTAS FROM CASE 2

SERVICE: USAF COMMUNITY: OFF

RETIREMENT REALLOCATION
REF: OPTION: OPTION:

| REF: | OPTION: | SOURCE: | GAIN | MAINT | SE-I | LOSS | FIXED | FORCE | REIWT | EM TOTRET | TOTAL |
|------|--|--------------|------|-------|------|------|-------|-------|-------|-----------|-------|
| 51 | COLA 62/75% + 3% PEN 200(0)/300(E)--0--0 | ACOL B | -4 | 10 | -1 | 0 | 0 | 5 | -664 | 166 | -493 |
| 52 | DEC 30% (1.75 MULT) | DMSH(ACOL B) | 553 | 52 | 57 | 4 | 0 | 666 | -872 | 0 | -206 |
| 53 | DEC 30% (1.75 MULT) | DMSH(ACOL B) | 421 | 180 | 57 | -1 | 0 | 657 | -784 | 238 | 111 |
| 54 | 3% PEN | DMSH(ACOL B) | 478 | 138 | 57 | 4 | 0 | 677 | -584 | 0 | 93 |
| 55 | 3% PEN | DMSH(ACOL B) | 402 | 214 | 57 | 1 | 0 | 674 | -484 | 189 | 379 |
| 56 | COLA 62/50% + 3% PEN 210--0--0 | DMSH(ACOL B) | 509 | 93 | 57 | 2 | 0 | 661 | -814 | 0 | -153 |
| 57 | COLA 62/50% + 3% PEN 160--40--50 | DMSH(ACOL B) | 421 | 178 | 57 | -1 | 0 | 655 | -736 | 172 | 91 |
| 58 | COLA 62/75% + 3% PEN 200(0)/300(E)--0--0 | DMSH(ACOL B) | 505 | 96 | 57 | 2 | 0 | 660 | -965 | 0 | -305 |
| 59 | SS OFFSET=1.25%/YR | ACOL A | 428 | 168 | 57 | -1 | 0 | 652 | -856 | 176 | -28 |
| 60 | VEST 22, BEFORE SHIFT | ACOL A | 37 | -21 | 36 | 2 | 0 | 54 | -715 | 0 | -661 |
| 61 | VEST 22, BEFORE SHIFT | ACOL A | -25 | 85 | 39 | -1 | 0 | 98 | -71 | 0 | 27 |
| 62 | VEST 24, BEFORE SHIFT | ACOL A | -31 | 113 | 38 | -1 | 0 | 119 | -89 | 0 | 30 |
| 63 | VEST 30, BEFORE SHIFT | ACOL A | 11 | 83 | 32 | 1 | 0 | 127 | -332 | 0 | -205 |
| 64 | VEST 22, AFTER SHIFT | ACOL A | 99 | -102 | 33 | 6 | 0 | 36 | -674 | 0 | -638 |
| 65 | VEST 24, AFTER SHIFT | ACOL A | 170 | -196 | 29 | 9 | 0 | 12 | -839 | 0 | -827 |
| 66 | VEST 30, AFTER SHIFT | ACOL A | 310 | -371 | 22 | 17 | 0 | -22 | -1210 | 0 | -1232 |
| 67 | RMA | ACOL A | 47 | -38 | -3 | 3 | 0 | 9 | -427 | 0 | -418 |
| 68 | USRBA W/O LOAN | ACOL A | 58 | -50 | -3 | 3 | 0 | 8 | -458 | 0 | -450 |
| 69 | USRBA WITH LOAN | ACOL A | -8 | 16 | -1 | 0 | 0 | 7 | -319 | 138 | -174 |
| 70 | PFSSCC OSD 24B | ACOL A | 100 | -88 | 32 | 6 | 0 | 50 | -1493 | 0 | -1443 |
| 71 | PPSSCC USAF 1.9% | ACOL A | 203 | -197 | 27 | 11 | 0 | 44 | -1657 | 0 | -1613 |

SERVICE: USAF COMMUNITY: OFF

RETIREMENT
REF: OPTION:REALLOCATION
OPTION:

| | | | | | | | | | | | | | |
|----|----------------------|---------------------|----------|-----|------|-----|-----|---|------|-------|---|------|------|
| 2 | TERM PAY | NONE | ACOL A/B | 824 | 3077 | 150 | 43 | 0 | 4094 | 2182 | 0 | 2182 | 6276 |
| 3 | HIGH 3 | NONE | ACOL A | 2 | 0 | 25 | 2 | 0 | 1 | -5 | 0 | -5 | -1 |
| 4 | DEC 10% | NONE | ACOL A | 6 | -2 | 25 | 7 | 0 | 1 | -17 | 0 | -17 | -5 |
| 5 | DEC 20% | NONE | ACOL A | 10 | -3 | 23 | 12 | 0 | 1 | -29 | 0 | -29 | -9 |
| 6 | DEC 20% | 150--30--70 | ACOL A | 0 | 0 | 26 | 0 | 0 | 1 | ***** | 0 | -16 | -5 |
| 7 | DEC 30% | NONE | ACOL A | 15 | -4 | 22 | 16 | 0 | 1 | -40 | 0 | -40 | -13 |
| 8 | DEC 30% | 210--0--0 | ACOL A | 3 | -2 | 25 | 5 | 0 | 0 | -33 | 0 | -25 | -8 |
| 9 | DEC 30% | 210--60--100 | ACOL A | -1 | 0 | 26 | 0 | 0 | 1 | -32 | 0 | -21 | -7 |
| 10 | DEC 40% | NONE | ACOL A | 19 | -6 | 21 | 21 | 0 | 1 | -51 | 0 | -51 | -17 |
| 11 | DEC 50% | NONE | ACOL A | 24 | -7 | 19 | 26 | 0 | 1 | -61 | 0 | -61 | -21 |
| 12 | 1% PENALTY | NONE | ACOL A | 4 | -1 | 25 | 5 | 0 | 1 | -12 | 0 | -12 | -3 |
| 13 | 1% PEN | 90--0--0 | ACOL A | -1 | 0 | 26 | 0 | 0 | 1 | -9 | 0 | -5 | -1 |
| 14 | 2% PEN | NONE | ACOL A | 5 | -1 | 24 | 7 | 0 | 1 | -18 | 0 | -18 | -5 |
| 15 | 2% PEN | 150--0--0 | ACOL A | -2 | 0 | 26 | 0 | 0 | 1 | -13 | 0 | -7 | -2 |
| 16 | 3% PEN | NONE | ACOL A | 5 | -1 | 23 | 7 | 0 | 1 | -23 | 0 | -23 | -7 |
| 17 | 3% PEN | 210--0--0 | ACOL A | -4 | 1 | 26 | -2 | 0 | 1 | -17 | 0 | -9 | -2 |
| 18 | 4% PEN | NONE | ACOL A | 6 | -1 | 23 | 7 | 0 | 1 | -32 | 0 | -32 | -10 |
| 19 | 4% PEN | 270--0--0 | ACOL A | -72 | 2 | 27 | -19 | 0 | -12 | -20 | 0 | -10 | -11 |
| 20 | 5% PEN | NONE | ACOL A | 6 | -1 | 23 | 7 | 0 | 2 | -30 | 0 | -30 | -9 |
| 21 | 6% PEN | NONE | ACOL A | 6 | -1 | 23 | 7 | 0 | 2 | -32 | 0 | -32 | -10 |
| 22 | 6% PEN | 390--0--0 | ACOL A | -10 | 4 | 27 | -9 | 0 | 2 | -26 | 0 | -10 | -2 |
| 23 | COLA 30/90% | NONE | ACOL A | 2 | -1 | 25 | 2 | 0 | 1 | -9 | 0 | -9 | -2 |
| 24 | COLA 30/75% | NONE | ACOL A | 4 | -1 | 25 | 5 | 0 | 1 | -14 | 0 | -14 | -4 |
| 25 | COLA 30/67% | NONE | ACOL A | 4 | -1 | 25 | 5 | 0 | 1 | -17 | 0 | -17 | -5 |
| 26 | COLA 30/50% | NONE | ACOL A | 5 | -1 | 24 | 7 | 0 | 1 | -22 | 0 | -22 | -7 |
| 27 | COLA 30/33% | NONE | ACOL A | 6 | -1 | 23 | 7 | 0 | 1 | -27 | 0 | -27 | -9 |
| 28 | COLA 30/0% | NONE | ACOL A | 7 | -2 | 23 | 7 | 0 | 1 | -35 | 0 | -35 | -12 |
| 29 | COLA 62/90% | NONE | ACOL A | 3 | -1 | 25 | 5 | 0 | 1 | -15 | 0 | -15 | -4 |
| 30 | COLA 62/75% | NONE | ACOL A | 6 | -2 | 24 | 7 | 0 | 1 | -24 | 0 | -24 | -8 |
| 31 | COLA 62/67% | NONE | ACOL A | 7 | -2 | 24 | 7 | 0 | 1 | -26 | 0 | -26 | -8 |
| 32 | COLA 62/50% | NONE | ACOL A | 9 | -3 | 23 | 9 | 0 | 1 | -35 | 0 | -35 | -12 |
| 33 | COLA 62/50% | 160--40--50 | ACOL A | -1 | 0 | 26 | 0 | 0 | 1 | -29 | 0 | -29 | -7 |
| 34 | COLA 62/33% | NONE | ACOL A | 12 | -3 | 23 | 12 | 0 | 1 | -43 | 0 | -43 | -15 |
| 35 | COLA 62/0% | NONE | ACOL A | 16 | -5 | 21 | 16 | 0 | 1 | -55 | 0 | -55 | -19 |
| 36 | COLA LIFE/75% | NONE | ACOL A | 6 | -2 | -1 | 7 | 0 | 0 | -26 | 0 | -26 | -9 |
| 37 | COLA LIFE/50% | NONE | ACOL A | 11 | -3 | -2 | 12 | 0 | 0 | -41 | 0 | -41 | -15 |
| 38 | COLA LIFE/25% | NONE | ACOL A | 14 | -4 | -2 | 16 | 0 | 0 | -53 | 0 | -53 | -19 |
| 39 | COLA LIFE/0% | NONE | ACOL A | 17 | -5 | -3 | 19 | 0 | 0 | -61 | 0 | -61 | -22 |
| 40 | COLA 62/75% + 3% PEN | NONE | ACOL A | 9 | -2 | 23 | 9 | 0 | 1 | -36 | 0 | -36 | -12 |
| 41 | COLA 62/75% + 3% PEN | 200(0)/300(E)--0--0 | ACOL A | 0 | 0 | 25 | 0 | 0 | 1 | -33 | 0 | -33 | -8 |
| 42 | COLA 62/67% + 3% PEN | NONE | ACOL A | 63 | 4 | 38 | 7 | 0 | 17 | -37 | 0 | -37 | -2 |
| 43 | HIGH 3 | NONE | ACOL B | 2 | -4 | -1 | 2 | 0 | 0 | -5 | 0 | -5 | -2 |
| 44 | DEC 30% (1.75 MULT) | NONE | ACOL B | 15 | -4 | -2 | 16 | 0 | 0 | -40 | 0 | -40 | -14 |
| 45 | DEC 30% (1.75 MULT) | 210--60--100 | ACOL B | -1 | 0 | 0 | 0 | 0 | 0 | -32 | 0 | -32 | -7 |
| 46 | 3% PEN | NONE | ACOL B | 6 | -1 | -2 | 7 | 0 | 0 | -22 | 0 | -22 | -8 |
| 47 | 3% PEN | 210--0--0 | ACOL B | -4 | 1 | -1 | -2 | 0 | 0 | -17 | 0 | -17 | -3 |
| 48 | COLA 62/50% | NONE | ACOL B | 9 | -3 | -1 | 9 | 0 | 0 | -35 | 0 | -35 | -12 |
| 49 | COLA 62/50% | 160-40-50 | ACOL B | -1 | 0 | 0 | 0 | 0 | 0 | -29 | 0 | -29 | -7 |
| 50 | COLA 62/75% + 3% PEN | NONE | ACOL B | 9 | -2 | -2 | 9 | 0 | 0 | -35 | 0 | -35 | -12 |

F-B-134
ATCH 4

% DELTAS FROM CASE 2

SERVICE: USAF COMMUNITY: OFF

RETIREMENT REALLOCATION
REF: OPTION: OPTION:

51 COLA 62/75% + 3% PEN 200(O)/300(E)--0--0
52 DEC 30% (1.75 MULT) NONE
53 DEC 30% (1.75 MULT) 210-60-100
54 3% PEN NONE
55 3% PEN 210--0--0
56 COLA 62/50% NONE
57 COLA 62/50% 160--40--50
58 COLA 62/75% + 3% PEN 200(O)/300(E)--0--0
59 COLA 62/75% + 3% PEN 200(O)/300(E)--0--0
60 SS OFFSET=1.25%/YR NONE
61 VEST 22,BEFORE SHIFT NONE
62 VEST 24,BEFORE SHIFT NONE
63 VEST 30,BEFORE SHIFT NONE
64 VEST 22,AFTER SHIFT NONE
65 VEST 24,AFTER SHIFT NONE
66 VEST 30,AFTER SHIFT NONE
67 RMA NONE
68 USRBA W/O LOAN NONE
69 USRBA WITH LOAN LOAN OPTION
70 PPSSCC OSD 24B NONE
71 PPSSCC USAF 1.9% NONE

| SOURCE: | GAIN | MAINT | SEI | LOSS | FIXED | FORCE | REYMT | EW TOTRET | TOTAL |
|--------------|------|-------|-----|------|-------|-------|-------|-----------|-------|
| ACOL B | 0 | 0 | -1 | 0 | 0 | 0 | -30 | ***** | -23 |
| DMSH(ACOL B) | 67 | 2 | 38 | 9 | 0 | 16 | -40 | 0 | -40 |
| DMSH(ACOL B) | 51 | 6 | 38 | -2 | 0 | 16 | -36 | ***** | -25 |
| DMSH(ACOL B) | 58 | 4 | 38 | 9 | 0 | 17 | -27 | 0 | -27 |
| DMSH(ACOL B) | 49 | 7 | 38 | 2 | 0 | 16 | -22 | ***** | -14 |
| DMSH(ACOL B) | 62 | 3 | 38 | 5 | 0 | 16 | -37 | 0 | -37 |
| DMSH(ACOL B) | 51 | 6 | 38 | -2 | 0 | 16 | -34 | ***** | -26 |
| DMSH(ACOL B) | 61 | 3 | 38 | 5 | 0 | 16 | -44 | 0 | -44 |
| DMSH(ACOL B) | 52 | 5 | 38 | -2 | 0 | 16 | -39 | ***** | -31 |
| DMSH(ACOL B) | 4 | -1 | 24 | 5 | 0 | 1 | -33 | 0 | -33 |
| ACOL A | -3 | 3 | 26 | -2 | 0 | 2 | -3 | 0 | -3 |
| ACOL A | -4 | 4 | 25 | -2 | 0 | 3 | -4 | 0 | -4 |
| ACOL A | 1 | 3 | 21 | 2 | 0 | 3 | -15 | 0 | -15 |
| ACOL A | 12 | -3 | 22 | 14 | 0 | 1 | -31 | 0 | -31 |
| ACOL A | 21 | -6 | 19 | 21 | 0 | 0 | -38 | 0 | -38 |
| ACOL A | 38 | -12 | 15 | 40 | 0 | -1 | -55 | 0 | -55 |
| ACOL A | 6 | -1 | -2 | 7 | 0 | 0 | -20 | 0 | -20 |
| ACOL A | 7 | -2 | -2 | 7 | 0 | 0 | -21 | 0 | -21 |
| ACOL A | -1 | 1 | -1 | 0 | 0 | 0 | -15 | ***** | -8 |
| ACOL A | 12 | -3 | 21 | 14 | 0 | 1 | -68 | 0 | -68 |
| ACOL A | 25 | -6 | 18 | 26 | 0 | 1 | -76 | 0 | -76 |

L-B-135
ATCH 4

SERVICE: USAF COMMUNITY: ENL

REF: OPTION: RETIREMENT REALLOCATION OPTION:

2 TERM PAY
3 HIGH 3
4 DEC 10%
5 DEC 20%
6 DEC 20%
7 DEC 30%
8 DEC 30%
9 DEC 30%
10 DEC 40%
11 DEC 50%
12 1% PENALTY
13 1% PEN
14 2% PEN
15 2% PEN
16 3% PEN
17 3% PEN
18 4% PEN
19 4% PEN
20 5% PEN
21 6% PEN
22 6% PEN
23 COLA 30/90%
24 COLA 30/75%
25 COLA 30/67%
26 COLA 30/50%
27 COLA 30/33%
28 COLA 30/0%
29 COLA 62/90%
30 COLA 62/75%
31 COLA 62/67%
32 COLA 62/50%
33 COLA 62/33%
34 COLA 62/0%
35 COLA 62/0%
36 COLA LIFE/75%
37 COLA LIFE/50%
38 COLA LIFE/25%
39 COLA LIFE/0%
40 COLA 62/75% + 3% PEN
41 COLA 62/75% + 3% PEN
42 COLA 62/67% + 3% PEN
43 HIGH 3
44 DEC 30% (1.75 MULT)
45 DEC 30% (1.75 MULT)
46 3% PEN
47 3% PEN
48 COLA 62/50%
49 COLA 62/50%
50 COLA 62/75% + 3% PEN

I-B-136
ATCH 4

COSTS IN \$ MILLIONS

| SOURCE: | GAIN | MAINT | S&I | LOSS | FIXED | FORCE | REINT | EN TOTRET | TOTAL |
|----------|------|-------|-----|------|-------|-------|-------|-----------|-------|
| ACOL A/B | 550 | 7311 | 123 | 105 | 0 | 8089 | 3524 | 0 | 3524 |
| ACOL A | 559 | 7239 | 124 | 106 | 0 | 8028 | 3302 | 0 | 3302 |
| ACOL A | 572 | 7172 | 123 | 109 | 0 | 7976 | 2840 | 0 | 2840 |
| ACOL A | 582 | 7121 | 123 | 111 | 0 | 7937 | 2425 | 0 | 2425 |
| ACOL A | 554 | 7266 | 124 | 106 | 0 | 8050 | 2681 | 290 | 2971 |
| ACOL A | 591 | 7074 | 123 | 113 | 0 | 7901 | 2033 | 0 | 2033 |
| ACOL A | 562 | 7181 | 125 | 107 | 0 | 7975 | 2285 | 374 | 2659 |
| ACOL A | 548 | 7334 | 124 | 105 | 0 | 8111 | 2394 | 436 | 2830 |
| ACOL A | 599 | 7032 | 123 | 114 | 0 | 7868 | 1670 | 0 | 1670 |
| ACOL A | 606 | 6994 | 123 | 116 | 0 | 7839 | 1331 | 0 | 1331 |
| ACOL A | 568 | 7215 | 123 | 108 | 0 | 8014 | 2948 | 0 | 2948 |
| ACOL A | 552 | 7272 | 124 | 105 | 0 | 8053 | 3101 | 158 | 3259 |
| ACOL A | 573 | 7202 | 122 | 109 | 0 | 8006 | 2633 | 0 | 2633 |
| ACOL A | 551 | 7289 | 124 | 105 | 0 | 8069 | 2854 | 263 | 3117 |
| ACOL A | 575 | 7203 | 122 | 110 | 0 | 8010 | 2378 | 0 | 2378 |
| ACOL A | 549 | 7312 | 124 | 105 | 0 | 8090 | 2531 | 367 | 2998 |
| ACOL A | 574 | 7227 | 122 | 109 | 0 | 8032 | 2192 | 0 | 2192 |
| ACOL A | 540 | 7368 | 124 | 103 | 0 | 8135 | 2475 | 474 | 2949 |
| ACOL A | 570 | 7267 | 122 | 109 | 0 | 8068 | 2065 | 0 | 2065 |
| ACOL A | 566 | 7314 | 121 | 108 | 0 | 8109 | 1980 | 0 | 1980 |
| ACOL A | 516 | 7530 | 125 | 98 | 0 | 8269 | 2321 | 695 | 3016 |
| ACOL A | 562 | 7227 | 123 | 107 | 0 | 8019 | 3150 | 0 | 3150 |
| ACOL A | 567 | 7210 | 123 | 108 | 0 | 8008 | 2937 | 0 | 2937 |
| ACOL A | 569 | 7203 | 123 | 109 | 0 | 8004 | 2832 | 0 | 2832 |
| ACOL A | 573 | 7189 | 123 | 109 | 0 | 7994 | 2627 | 0 | 2627 |
| ACOL A | 576 | 7175 | 123 | 110 | 0 | 7984 | 2437 | 0 | 2437 |
| ACOL A | 579 | 7168 | 122 | 110 | 0 | 7979 | 2144 | 0 | 2144 |
| ACOL A | 565 | 7209 | 123 | 108 | 0 | 8005 | 2985 | 0 | 2985 |
| ACOL A | 573 | 7172 | 123 | 109 | 0 | 7977 | 2605 | 0 | 2605 |
| ACOL A | 576 | 7155 | 123 | 110 | 0 | 7964 | 2440 | 0 | 2440 |
| ACOL A | 582 | 7124 | 123 | 111 | 0 | 7940 | 2100 | 0 | 2100 |
| ACOL A | 552 | 7291 | 124 | 105 | 0 | 8072 | 2381 | 311 | 2692 |
| ACOL A | 587 | 7097 | 123 | 112 | 0 | 7919 | 1822 | 0 | 1822 |
| ACOL A | 595 | 7055 | 123 | 113 | 0 | 7886 | 1407 | 0 | 1407 |
| ACOL A | 575 | 7166 | 123 | 110 | 0 | 7974 | 2507 | 0 | 2507 |
| ACOL A | 589 | 7104 | 122 | 112 | 0 | 7927 | 1945 | 0 | 1945 |
| ACOL A | 599 | 7056 | 121 | 114 | 0 | 7890 | 1544 | 0 | 1544 |
| ACOL A | 608 | 7018 | 121 | 116 | 0 | 7863 | 1251 | 0 | 1251 |
| ACOL A | 585 | 7141 | 122 | 111 | 0 | 7959 | 1885 | 0 | 1885 |
| ACOL A | 547 | 7292 | 125 | 104 | 0 | 8068 | 2168 | 538 | 2706 |
| ACOL A | 788 | 7286 | 118 | 111 | 0 | 8303 | 1716 | 0 | 1716 |
| ACOL B | 558 | 7250 | 124 | 106 | 0 | 8038 | 3310 | 0 | 3310 |
| ACOL B | 600 | 7050 | 121 | 114 | 0 | 7885 | 1994 | 0 | 1994 |
| ACOL B | 538 | 7375 | 125 | 103 | 0 | 8141 | 2450 | 448 | 2898 |
| ACOL B | 566 | 7253 | 123 | 108 | 0 | 8050 | 2469 | 0 | 2469 |
| ACOL B | 535 | 7374 | 125 | 102 | 0 | 8136 | 2735 | 376 | 3111 |
| ACOL B | 586 | 7116 | 122 | 112 | 0 | 7936 | 2090 | 0 | 2090 |
| ACOL B | 545 | 7325 | 125 | 104 | 0 | 8099 | 2423 | 317 | 2740 |
| ACOL B | 578 | 7185 | 122 | 110 | 0 | 7995 | 1960 | 0 | 1960 |

SERVICE: USAF COMMUNITY: ENL

RETIREMENT
REF: OPTION: REALLOCATION
OPTION:

COSTS IN \$ MILLIONS

| REF: | OPTION: | SOURCE: | GAIN | MAINT | S&I | LOSS | FIXED | FORCE | RETMT | EW | TOTRET | TOTAL |
|------|--|--------------|------|-------|-----|------|-------|-------|-------|-----|--------|-------|
| 51 | COLA 62/75% + 3% PEN 200(0)/300(E)--0--0 | ACOL B | 534 | 7353 | 126 | 102 | 0 | 8115 | 2273 | 548 | 2821 | 10936 |
| 52 | DEC 30% (1.75 MULT) | DMSH(ACOL B) | 801 | 7197 | 118 | 113 | 0 | 8229 | 1922 | 0 | 1922 | 10151 |
| 53 | DEC 30% (1.75 MULT) | DMSH(ACOL B) | 739 | 7488 | 118 | 104 | 0 | 8449 | 2239 | 456 | 2695 | 11144 |
| 54 | 3% PEN | DMSH(ACOL B) | 767 | 7394 | 118 | 107 | 0 | 8386 | 2261 | 0 | 2261 | 10647 |
| 55 | 3% PEN | DMSH(ACOL B) | 736 | 7502 | 118 | 103 | 0 | 8459 | 2456 | 381 | 2837 | 11296 |
| 56 | COLA 62/50% | DMSH(ACOL B) | 787 | 7266 | 118 | 111 | 0 | 8282 | 1991 | 0 | 1991 | 10273 |
| 57 | COLA 62/50% | DMSH(ACOL B) | 746 | 7458 | 118 | 105 | 0 | 8417 | 2227 | 327 | 2554 | 10971 |
| 58 | COLA 62/75% + 3% PEN | DMSH(ACOL B) | 779 | 7328 | 118 | 109 | 0 | 8334 | 1754 | 0 | 1754 | 10088 |
| 59 | COLA 62/75% + 3% PEN 200(0)/300(E)--0--0 | DMSH(ACOL B) | 735 | 7486 | 118 | 103 | 0 | 8442 | 2088 | 556 | 2644 | 11086 |
| 60 | SS OFFSET=1.25%/YR | ACOL A | 572 | 7210 | 122 | 109 | 0 | 8013 | 2804 | 0 | 2804 | 10817 |
| 61 | VEST 22, BEFORE SHIFT | ACOL A | 544 | 7431 | 121 | 104 | 0 | 8200 | 3411 | 0 | 3411 | 11611 |
| 62 | VEST 24, BEFORE SHIFT | ACOL A | 527 | 7446 | 119 | 100 | 0 | 8392 | 3621 | 0 | 3621 | 12013 |
| 63 | VEST 30, BEFORE SHIFT | ACOL A | 526 | 7787 | 119 | 100 | 0 | 8532 | 3595 | 0 | 3595 | 12127 |
| 64 | VEST 22, AFTER SHIFT | ACOL A | 614 | 6997 | 121 | 117 | 0 | 7849 | 1947 | 0 | 1947 | 9796 |
| 65 | VEST 24, AFTER SHIFT | ACOL A | 641 | 6877 | 122 | 122 | 0 | 7762 | 1415 | 0 | 1415 | 9177 |
| 66 | VEST 30, AFTER SHIFT | ACOL A | 658 | 6812 | 121 | 125 | 0 | 7716 | 1099 | 0 | 1099 | 8815 |
| 67 | RMA | ACOL A | 566 | 7236 | 123 | 108 | 0 | 8033 | 2818 | 0 | 2818 | 10851 |
| 68 | USRBA W/O LOAN | ACOL A | 568 | 7221 | 123 | 108 | 0 | 8020 | 2890 | 0 | 2890 | 10910 |
| 69 | USRBA WITH LOAN | ACOL A | 544 | 7325 | 125 | 104 | 0 | 8098 | 2904 | 292 | 3286 | 11384 |
| 70 | PPSSCC OSD 248 | ACOL A | 590 | 7132 | 122 | 113 | 0 | 7957 | 835 | 0 | 835 | 8792 |
| 71 | PPSSCC USAF 1.9% | ACOL A | 600 | 7097 | 122 | 114 | 0 | 7933 | 911 | 0 | 911 | 8844 |

L-B-137
ATCH 4

SERVICE: USAF COMMUNITY: EML

REF: OPTION: RETIREMENT REALLOCATION
OPTION:

2 TERM PAY
3 HIGH 3
4 DEC 10%
5 DEC 20%
6 DEC 20%
7 DEC 30%
8 DEC 30%
9 DEC 30%
10 DEC 40%
11 DEC 50%
12 1% PENALTY
13 1% PEN
14 2% PEN
15 2% PEN
16 3% PEN
17 3% PEN
18 4% PEN
19 4% PEN
20 5% PEN
21 6% PEN
22 6% PEN
23 COLA 30/90%
24 COLA 30/75%
25 COLA 30/67%
26 COLA 30/50%
27 COLA 30/33%
28 COLA 30/0%
29 COLA 62/90%
30 COLA 62/75%
31 COLA 62/67%
32 COLA 62/50%
33 COLA 62/50%
34 COLA 62/33%
35 COLA 62/0%
36 COLA LIFE/75%
37 COLA LIFE/50%
38 COLA LIFE/25%
39 COLA LIFE/0%
40 COLA 62/75% + 3% PEN
41 COLA 62/75% + 3% PEN 200(0)/300(E)--0--0
42 COLA 62/67% + 3% PEN
43 HIGH 3
44 DEC 30% (1.75 MULT)
45 DEC 30% (1.75 MULT)
46 3% PEN
47 3% PEN
48 COLA 62/50%
49 COLA 62/50%
50 COLA 62/75% + 3% PEN

ATCH 4
1-1-138

\$ DELIAS FROM CASE 2

| SOURCE: | GAIN | MAINT | S&I | LOSS | FIXED | FORCE | REINT | EW | TOTRET | TOTAL |
|----------|------|-------|-----|------|-------|-------|-------|-----|--------|-------|
| ACOL A/B | 550 | 7311 | 123 | 105 | 0 | 8089 | 3524 | 0 | 3524 | 11613 |
| ACOL A | 9 | -72 | 1 | 1 | 0 | -61 | -222 | 0 | -222 | -283 |
| ACOL A | 22 | -139 | 0 | 4 | 0 | -113 | -684 | 0 | -684 | -797 |
| ACOL A | 32 | -190 | 0 | 6 | 0 | -152 | -1099 | 0 | -1099 | -1251 |
| ACOL A | 4 | -45 | 1 | 1 | 0 | -39 | -843 | 290 | -553 | -592 |
| ACOL A | 41 | -237 | 0 | 8 | 0 | -188 | -1691 | 0 | -1491 | -1679 |
| ACOL A | 12 | -130 | 2 | 2 | 0 | -114 | -1239 | 374 | -865 | -979 |
| ACOL A | -2 | 23 | 1 | 0 | 0 | 22 | -1130 | 436 | -694 | -672 |
| ACOL A | 49 | -279 | 0 | 9 | 0 | -221 | -1854 | 0 | -1854 | -2075 |
| ACOL A | 56 | -317 | 0 | 11 | 0 | -250 | -2193 | 0 | -2193 | -2443 |
| ACOL A | 18 | -96 | 0 | 3 | 0 | -75 | -576 | 0 | -576 | -651 |
| ACOL A | 2 | -39 | 1 | 0 | 0 | -36 | -423 | 158 | -265 | -301 |
| ACOL A | 23 | -109 | -1 | 4 | 0 | -83 | -891 | 0 | -891 | -974 |
| ACOL A | 1 | -22 | 1 | 0 | 0 | -20 | -670 | 263 | -407 | -427 |
| ACOL A | 25 | -108 | -1 | 5 | 0 | -79 | -1146 | 0 | -1146 | -1225 |
| ACOL A | -1 | 1 | 1 | 0 | 0 | 0 | -893 | 367 | -526 | -525 |
| ACOL A | 24 | -84 | -1 | 4 | 0 | -57 | -1332 | 0 | -1332 | -1389 |
| ACOL A | -10 | 57 | 1 | -2 | 0 | 45 | -1049 | 474 | -575 | -529 |
| ACOL A | 20 | -44 | -1 | 4 | 0 | -21 | -1459 | 0 | -1459 | -1480 |
| ACOL A | 16 | 3 | -2 | 3 | 0 | 20 | -1544 | 0 | -1544 | -1524 |
| ACOL A | -34 | 219 | 2 | -7 | 0 | 180 | -1203 | 695 | -508 | -348 |
| ACOL A | 12 | -84 | 0 | 2 | 0 | -70 | -374 | 0 | -374 | -444 |
| ACOL A | 17 | -101 | 0 | 3 | 0 | -81 | -587 | 0 | -587 | -668 |
| ACOL A | 19 | -108 | 0 | 4 | 0 | -85 | -692 | 0 | -692 | -777 |
| ACOL A | 23 | -122 | 0 | 4 | 0 | -95 | -897 | 0 | -897 | -992 |
| ACOL A | 26 | -136 | 0 | 5 | 0 | -105 | -1087 | 0 | -1087 | -1192 |
| ACOL A | 29 | -143 | -1 | 5 | 0 | -110 | -1380 | 0 | -1380 | -1490 |
| ACOL A | 15 | -102 | 0 | 3 | 0 | -84 | -539 | 0 | -539 | -623 |
| ACOL A | 23 | -139 | 0 | 4 | 0 | -112 | -919 | 0 | -919 | -1031 |
| ACOL A | 26 | -156 | 0 | 5 | 0 | -125 | -1084 | 0 | -1084 | -1209 |
| ACOL A | 32 | -187 | 0 | 6 | 0 | -149 | -1424 | 0 | -1424 | -1573 |
| ACOL A | 2 | -20 | 1 | 0 | 0 | -17 | -1143 | 311 | -832 | -849 |
| ACOL A | 37 | -214 | 0 | 7 | 0 | -170 | -1702 | 0 | -1702 | -1872 |
| ACOL A | 45 | -256 | 0 | 8 | 0 | -203 | -2117 | 0 | -2117 | -2320 |
| ACOL A | 25 | -145 | 0 | 5 | 0 | -115 | -1017 | 0 | -1017 | -1132 |
| ACOL A | 39 | -207 | -1 | 7 | 0 | -162 | -1579 | 0 | -1579 | -1741 |
| ACOL A | 49 | -255 | -2 | 9 | 0 | -199 | -1980 | 0 | -1980 | -2179 |
| ACOL A | 58 | -293 | -2 | 11 | 0 | -226 | -2273 | 0 | -2273 | -2499 |
| ACOL A | 35 | -170 | -1 | 6 | 0 | -130 | -1639 | 0 | -1639 | -1769 |
| ACOL A | -3 | -19 | 2 | -1 | 0 | -21 | -1356 | 538 | -818 | -839 |
| ACOL A | 238 | -25 | -5 | 6 | 0 | 214 | -1808 | 0 | -1808 | -1594 |
| ACOL B | 8 | -61 | 1 | 1 | 0 | -51 | -214 | 0 | -214 | -265 |
| ACOL B | 50 | -261 | -2 | 9 | 0 | -204 | -1530 | 0 | -1530 | -1734 |
| ACOL B | -12 | 64 | 2 | -2 | 0 | 52 | -1074 | 448 | -626 | -574 |
| ACOL B | 16 | -58 | 0 | 3 | 0 | -39 | -1055 | 0 | -1055 | -1094 |
| ACOL B | -15 | 63 | 2 | -3 | 0 | 47 | -789 | 376 | -413 | -366 |
| ACOL B | 36 | -195 | -1 | 7 | 0 | -153 | -1434 | 0 | -1434 | -1587 |
| ACOL B | -5 | 14 | 2 | -1 | 0 | 10 | -1101 | 317 | -784 | -774 |
| ACOL B | 28 | -126 | -1 | 5 | 0 | -94 | -1564 | 9 | -1564 | -1658 |

SERVICE: USAF COMMUNITY: ENL

\$ DELTAS FROM CASE 2

REF: OPTION: RETIREMENT REALLOCATION OPTION:

| | | SOURCE: | GAIN | MAINT | S&I | LOSS | FIXED | FORCE | REMT | EW TOTRET | TOTAL |
|----|----------------------|---------------------|------|-------|-----|------|-------|-------|-------|-----------|-------|
| 51 | COLA 62/75% + 3% PEN | 200(0)/300(E)--0--0 | -16 | 42 | 3 | -3 | 0 | 26 | -1251 | 548 | -677 |
| 52 | DEC 30% (1.75 MULT) | NONE | 251 | -114 | -5 | 8 | 0 | 140 | -1602 | 0 | -1462 |
| 53 | DEC 30% (1.75 MULT) | DHSM(ACOL B) | 189 | 177 | -5 | -1 | 0 | 360 | -1285 | 456 | -469 |
| 54 | 3% PEN | DHSM(ACOL B) | 217 | 83 | -5 | 2 | 0 | 297 | -1263 | 0 | -966 |
| 55 | 3% PEN | DHSM(ACOL B) | 186 | 191 | -5 | -2 | 0 | 370 | -1068 | 381 | -317 |
| 56 | COLA 62/50% | DHSM(ACOL B) | 237 | -45 | -5 | 6 | 0 | 193 | -1533 | 0 | -1340 |
| 57 | COLA 62/50% + 3% PEN | DHSM(ACOL B) | 196 | 137 | -5 | 0 | 0 | 328 | -1297 | 327 | -642 |
| 58 | COLA 62/75% + 3% PEN | DHSM(ACOL B) | 229 | 17 | -5 | 4 | 0 | 245 | -1770 | 0 | -1525 |
| 59 | COLA 62/75% + 3% PEN | DHSM(ACOL B) | 185 | 175 | -5 | -2 | 0 | 353 | -1436 | 556 | -527 |
| 60 | SS OFFSET=1.25%/YR | ACOL A | 22 | -101 | -1 | 4 | 0 | -76 | -720 | 0 | -796 |
| 61 | VEST 22,BEFORE SHIFT | ACOL A | -6 | 120 | -2 | -1 | 0 | 111 | -113 | 0 | -2 |
| 62 | VEST 24,BEFORE SHIFT | ACOL A | -23 | 335 | -4 | -5 | 0 | 303 | 97 | 0 | 400 |
| 63 | VEST 30,BEFORE SHIFT | ACOL A | -24 | 476 | -4 | -5 | 0 | 443 | 71 | 0 | 514 |
| 64 | VEST 22,AFTER SHIFT | ACOL A | 64 | -314 | -2 | 12 | 0 | -240 | -1577 | 0 | -1817 |
| 65 | VEST 24,AFTER SHIFT | ACOL A | 91 | -434 | -1 | 17 | 0 | -327 | -2109 | 0 | -2436 |
| 66 | VEST 30,AFTER SHIFT | ACOL A | 108 | -499 | -2 | 20 | 0 | -373 | -2425 | 0 | -2798 |
| 67 | RMA | ACOL A | 16 | -75 | 0 | 3 | 0 | -56 | -706 | 0 | -762 |
| 68 | USRBA W/O LOAN | ACOL A | 18 | -90 | 0 | 3 | 0 | -69 | -634 | 0 | -703 |
| 69 | USRBA WITH LOAN | ACOL A | -6 | 14 | 2 | -1 | 0 | 9 | -530 | 292 | -229 |
| 70 | PPSSCC OSD 248 | ACOL A | 40 | -179 | -1 | 8 | 0 | -132 | -2689 | 0 | -2821 |
| 71 | PPSSCC USAF 1.9% | ACOL A | 50 | -214 | -1 | 9 | 0 | -156 | -2613 | 0 | -2769 |

L-B-139
ATCH 4

SERVICE: USAF COMMUNITY: ENL

RETIREMENT
REF: OPTION:

2 TERM PAY
3 HIGH 3
4 DEC 10%
5 DEC 20%
6 DEC 30%
7 DEC 30%
8 DEC 30%
9 DEC 30%
10 DEC 40%
11 DEC 50%
12 1% PENALTY
13 1% PEN
14 2% PEN
15 2% PEN
16 3% PEN
17 3% PEN
18 4% PEN
19 4% PEN
20 5% PEN
21 6% PEN
22 6% PEN
23 COLA 30/50%
24 COLA 30/75%
25 COLA 30/67%
26 COLA 30/50%
27 COLA 30/33%
28 COLA 30/0%
29 COLA 62/90%
30 COLA 62/75%
31 COLA 62/67%
32 COLA 62/50%
33 COLA 62/50%
34 COLA 62/33%
35 COLA 62/0%
36 COLA LIFE/75%
37 COLA LIFE/50%
38 COLA LIFE/25%
39 COLA LIFE/0%
40 COLA 62/75% + 3% PEN
41 COLA 62/75% + 3% PEN
42 COLA 62/67% + 3% PEN
43 HIGH 3
44 DEC 30% (1.75 MULT)
45 DEC 30% (1.75 MULT)
46 3% PEN
47 3% PEN
48 COLA 62/50%
49 COLA 62/50%
50 COLA 62/75% + 3% PEN

L-B-140
ATCH 4

% DELTAS FROM CASE 2

| SOURCE: | GAIN | MAINT | S&I | LOSS | FIXED | FORCE | REMT | EW | TOTRET | TOTAL |
|----------|------|-------|-----|------|-------|-------|------|----|--------|-------|
| ACOL A/B | 550 | 7311 | 123 | 105 | 0 | 8089 | 3524 | 0 | 3524 | 11613 |
| ACOL A | 2 | -1 | 1 | 1 | 0 | -1 | -6 | 0 | -6 | -2 |
| ACOL A | 4 | -2 | 0 | 4 | 0 | -1 | -19 | 0 | -19 | -7 |
| ACOL A | 6 | -3 | 0 | 6 | 0 | -2 | -31 | 0 | -31 | -11 |
| ACOL A | 1 | -1 | 1 | 1 | 0 | 0 | -24 | 0 | -16 | -5 |
| ACOL A | 7 | -3 | 0 | 8 | 0 | -2 | -42 | 0 | -42 | -14 |
| ACOL A | 2 | -2 | 2 | 2 | 0 | -1 | -35 | 0 | -20 | -8 |
| ACOL A | 0 | 0 | 2 | 0 | 0 | 0 | -32 | 0 | -20 | -6 |
| ACOL A | 9 | -4 | 0 | 9 | 0 | -3 | -53 | 0 | -53 | -18 |
| ACOL A | 10 | -4 | 0 | 10 | 0 | -3 | -62 | 0 | -62 | -21 |
| ACOL A | 3 | -1 | 0 | 3 | 0 | -1 | -16 | 0 | -16 | -6 |
| ACOL A | 0 | -1 | 1 | 0 | 0 | 0 | -12 | 0 | -12 | -8 |
| ACOL A | 4 | -1 | 1 | 4 | 0 | 1 | -25 | 0 | -25 | -3 |
| ACOL A | 0 | 0 | 1 | 0 | 0 | 0 | -19 | 0 | -12 | -4 |
| ACOL A | 5 | -1 | 1 | 5 | 0 | -1 | -33 | 0 | -33 | -11 |
| ACOL A | 0 | 0 | 1 | 0 | 0 | 0 | -25 | 0 | -15 | -5 |
| ACOL A | 4 | -1 | 1 | 4 | 0 | -1 | -38 | 0 | -38 | -12 |
| ACOL A | -2 | -1 | 1 | -2 | 0 | 1 | -30 | 0 | -16 | -5 |
| ACOL A | 4 | -1 | 1 | 4 | 0 | 0 | -41 | 0 | -41 | -13 |
| ACOL A | 3 | 0 | 2 | 3 | 0 | 0 | -44 | 0 | -44 | -13 |
| ACOL A | -6 | 3 | 2 | -7 | 0 | 2 | -34 | 0 | -14 | -3 |
| ACOL A | -2 | -1 | 0 | -2 | 0 | -1 | -11 | 0 | -11 | -4 |
| ACOL A | 3 | -1 | 0 | 3 | 0 | -1 | -17 | 0 | -17 | -6 |
| ACOL A | 3 | -1 | 0 | 4 | 0 | -1 | -20 | 0 | -20 | -7 |
| ACOL A | 4 | -2 | 0 | 4 | 0 | -1 | -25 | 0 | -25 | -9 |
| ACOL A | 5 | -2 | 0 | 5 | 0 | -1 | -31 | 0 | -31 | -10 |
| ACOL A | 3 | -2 | -1 | 3 | 0 | -1 | -39 | 0 | -39 | -13 |
| ACOL A | 4 | -1 | 0 | 4 | 0 | -1 | -15 | 0 | -15 | -5 |
| ACOL A | 4 | -2 | 0 | 4 | 0 | -1 | -26 | 0 | -26 | -9 |
| ACOL A | 5 | -2 | 0 | 5 | 0 | -2 | -31 | 0 | -31 | -10 |
| ACOL A | 6 | -3 | 0 | 6 | 0 | -2 | -40 | 0 | -40 | -14 |
| ACOL A | 7 | -3 | 0 | 7 | 0 | -2 | -48 | 0 | -48 | -16 |
| ACOL A | 8 | -4 | 0 | 8 | 0 | -3 | -60 | 0 | -60 | -20 |
| ACOL A | 7 | -3 | 0 | 7 | 0 | -2 | -29 | 0 | -29 | -10 |
| ACOL A | 9 | -3 | -1 | 9 | 0 | -2 | -45 | 0 | -45 | -15 |
| ACOL A | 11 | -4 | -2 | 10 | 0 | -3 | -56 | 0 | -56 | -19 |
| ACOL A | 16 | -2 | -1 | 16 | 0 | -2 | -65 | 0 | -65 | -22 |
| ACOL A | -1 | -2 | -1 | -1 | 0 | 0 | -47 | 0 | -23 | -15 |
| ACOL A | 43 | 0 | -4 | 5 | 0 | 3 | -51 | 0 | -51 | -14 |
| ACOL B | 1 | -1 | 1 | 1 | 0 | -1 | -6 | 0 | -6 | -2 |
| ACOL B | 9 | -4 | -2 | 9 | 0 | -3 | -43 | 0 | -43 | -15 |
| ACOL B | -2 | 1 | 2 | -2 | 0 | 1 | -30 | 0 | -18 | -5 |
| ACOL B | 3 | -1 | 0 | 3 | 0 | 0 | -30 | 0 | -30 | -9 |
| ACOL B | -3 | 1 | 2 | -3 | 0 | 1 | -22 | 0 | -12 | -3 |
| ACOL B | 7 | -3 | -1 | 7 | 0 | -2 | -41 | 0 | -41 | -14 |
| ACOL B | -1 | 0 | 2 | -1 | 0 | 0 | -31 | 0 | -22 | -7 |
| ACOL B | 5 | -2 | -1 | 5 | 0 | -1 | -44 | 0 | -44 | -14 |

SERVICE: USAF COMMUNITY: ENL

REF: OPTION:
RETIREMENT
REALLOCATION:
OPTION:

| | | |
|----|----------------------|---------------------|
| 51 | COLA 62/75% + 3% PEN | 200(0)/300(E)--0--0 |
| 52 | DEC 30% (1.75 MULT) | NONE |
| 53 | DEC 30% (1.75 MULT) | 210-60-100 |
| 54 | 3% PEN | NONE |
| 55 | 3% PEN | 210--0--0 |
| 56 | COLA 62/50% | NONE |
| 57 | COLA 62/50% | 160--40--50 |
| 58 | COLA 62/75% + 3% PEN | NONE |
| 59 | COLA 62/75% + 3% PEN | 200(0)/300(E)--0--0 |
| 60 | SS OFFSET=1.25%/YR | NONE |
| 61 | VEST 22,BEFORE SHIFT | NONE |
| 62 | VEST 24,BEFORE SHIFT | NONE |
| 63 | VEST 30,BEFORE SHIFT | NONE |
| 64 | VEST 22,AFTER SHIFT | NONE |
| 65 | VEST 24,AFTER SHIFT | NONE |
| 66 | VEST 30,AFTER SHIFT | NONE |
| 67 | RWA | NONE |
| 68 | USKBA W/O LOAN | NONE |
| 69 | USRBA WITH LOAN | NONE |
| 70 | PPSSCC OSD 240 | NONE |
| 71 | PPSSCC USAF 1.9% | NONE |

[illegible]

| | |
|------|-------|
| GAIN | MAINT |
| -3 | 1 |
| 46 | -2 |
| 34 | 2 |
| 39 | 1 |
| 34 | 3 |
| 43 | -1 |
| 36 | 2 |
| 42 | 0 |
| 34 | 2 |
| 4 | -1 |
| -1 | 2 |
| -4 | 5 |
| -4 | 7 |
| 12 | -4 |
| 17 | -6 |
| 20 | -7 |
| 3 | -1 |
| 3 | -1 |
| -1 | 0 |
| 7 | -2 |
| 9 | -3 |

18S
-1-
-1-
0
-2
-1
-2
-3
-3
-2
-1
-2
-1
-1
-4
-4
-4
-4
-4
-4
-4
-4
-4
-2

LOSS -3 8 -1 2 -2 6 0 4 -2 4 -1 -5 -5 11 16 19 3 3 -1 8 9

A ○○

E 024452434114534511022

TMT
-35
-45
-36
-36
-30
-44
-37
-50
-41
-20
-3
3
2
-45
-60
-69
-20
-18
-15
-76
-74

[illegible]

| | | | | | | | | | | | | | | | | | | | | | |
|-------|----|-----|----|----|----|-----|----|-----|----|----|---|---|---|-----|-----|-----|----|----|----|-----|-----|
| TOTAL | -6 | -13 | -4 | -8 | -3 | -12 | -6 | -13 | -5 | -7 | 0 | 3 | 4 | -16 | -21 | -24 | -7 | -6 | -2 | -24 | -24 |
|-------|----|-----|----|----|----|-----|----|-----|----|----|---|---|---|-----|-----|-----|----|----|----|-----|-----|

SERVICE: USAF COMMUNITY: BOTH

REF: OPTION: RETIREMENT REALLOCATION
OPTION:

| | TERM PAY | SOURCE: | GAIN | MAINT | S&I | LOSS | FIXED | FORCE | REMIT | EW TOTRET | TOTAL |
|----|---|----------|------|-------|-----|------|-------|-------|-------|-----------|-------|
| 2 | HIGH 3 | ACOL A/B | 1374 | 10388 | 273 | 148 | 0 | 12183 | 5706 | 0 | 17889 |
| 3 | DEC 10% | ACOL A | 1397 | 10303 | 312 | 150 | 0 | 12162 | 5377 | 0 | 17539 |
| 4 | DEC 20% | ACOL A | 1418 | 10195 | 310 | 155 | 0 | 12108 | 4654 | 0 | 16762 |
| 5 | DEC 30% | ACOL A | 1489 | 10104 | 308 | 159 | 0 | 12060 | 3984 | 0 | 16044 |
| 6 | DEC 40% | ACOL A | 1381 | 10333 | 313 | 149 | 0 | 12176 | 4358 | 449 | 16983 |
| 7 | DEC 50% | ACOL A | 1536 | 10016 | 306 | 163 | 0 | 12021 | 3344 | 0 | 15365 |
| 8 | DEC 60% | ACOL A | 1414 | 10201 | 313 | 152 | 0 | 12080 | 3742 | 557 | 16379 |
| 9 | DEC 70% | ACOL A | 1362 | 10416 | 313 | 148 | 0 | 12239 | 3872 | 673 | 16784 |
| 10 | DEC 80% | ACOL A | 1583 | 9933 | 304 | 166 | 0 | 11986 | 2744 | 0 | 14730 |
| 11 | DEC 90% | ACOL A | 1629 | 9855 | 301 | 170 | 0 | 11955 | 2184 | 0 | 14139 |
| 12 | 1% PENALTY | ACOL A | 1422 | 10271 | 310 | 153 | 0 | 12156 | 4871 | 0 | 17023 |
| 13 | 1% PEN | ACOL A | 1371 | 10361 | 313 | 148 | 0 | 12192 | 5096 | 235 | 17523 |
| 14 | 2% PEN | ACOL A | 1440 | 10251 | 308 | 155 | 0 | 12154 | 4425 | 0 | 16579 |
| 15 | 2% PEN | ACOL A | 1361 | 10394 | 313 | 148 | 0 | 12216 | 4750 | 390 | 17356 |
| 16 | 3% PEN | ACOL A | 1442 | 10250 | 307 | 156 | 0 | 12155 | 4062 | 0 | 16217 |
| 17 | 3% PEN | ACOL A | 1344 | 10435 | 313 | 147 | 0 | 12239 | 4444 | 545 | 17228 |
| 18 | 4% PEN | ACOL A | 1449 | 10275 | 306 | 155 | 0 | 12185 | 3671 | 0 | 15856 |
| 19 | 4% PEN | ACOL A | 773 | 10513 | 314 | 138 | 0 | 11738 | 4217 | 704 | 16659 |
| 20 | 5% PEN | ACOL A | 1445 | 10319 | 306 | 155 | 0 | 12225 | 3598 | 0 | 15823 |
| 21 | 6% PEN | ACOL A | 1440 | 10371 | 305 | 154 | 0 | 12270 | 3459 | 0 | 15729 |
| 22 | 6% PEN | ACOL A | 1260 | 10722 | 316 | 137 | 0 | 12435 | 3944 | 1031 | 17410 |
| 23 | COLA 30/90% | ACOL A | 1406 | 10287 | 311 | 151 | 0 | 12155 | 5140 | 0 | 17295 |
| 24 | COLA 30/75% | ACOL A | 1421 | 10263 | 310 | 153 | 0 | 12147 | 4806 | 0 | 16953 |
| 25 | COLA 30/67% | ACOL A | 1428 | 10252 | 310 | 154 | 0 | 12144 | 4641 | 0 | 16785 |
| 26 | COLA 30/50% | ACOL A | 1441 | 10231 | 309 | 155 | 0 | 12136 | 4319 | 0 | 16455 |
| 27 | COLA 30/33% | ACOL A | 1450 | 10211 | 308 | 156 | 0 | 12125 | 4023 | 0 | 16148 |
| 28 | COLA 30/0% | ACOL A | 1460 | 10195 | 307 | 156 | 0 | 12116 | 3553 | 0 | 15671 |
| 29 | COLA 62/90% | ACOL A | 1416 | 10259 | 310 | 153 | 0 | 12138 | 4846 | 0 | 16984 |
| 30 | COLA 62/75% | ACOL A | 1444 | 10200 | 309 | 155 | 0 | 12108 | 4273 | 0 | 16381 |
| 31 | COLA 62/67% | ACOL A | 1457 | 10172 | 309 | 156 | 0 | 12094 | 4057 | 0 | 16151 |
| 32 | COLA 62/50% | ACOL A | 1483 | 10119 | 308 | 158 | 0 | 12068 | 3522 | 0 | 15590 |
| 33 | COLA 62/33% | ACOL A | 1366 | 10380 | 313 | 148 | 0 | 12207 | 3939 | 480 | 16626 |
| 34 | COLA 62/0% | ACOL A | 1507 | 10070 | 307 | 160 | 0 | 12044 | 3057 | 0 | 15101 |
| 35 | COLA 62/0% | ACOL A | 1548 | 9992 | 305 | 163 | 0 | 12008 | 2395 | 0 | 14403 |
| 36 | COLA LIFE/75% | ACOL A | 1452 | 10184 | 271 | 156 | 0 | 12063 | 4124 | 0 | 16187 |
| 37 | COLA LIFE/50% | ACOL A | 1501 | 10083 | 269 | 160 | 0 | 12013 | 3224 | 0 | 15237 |
| 38 | COLA LIFE/25% | ACOL A | 1540 | 10902 | 268 | 164 | 0 | 11974 | 2573 | 0 | 14547 |
| 39 | COLA LIFE/0% | ACOL A | 1575 | 9937 | 267 | 167 | 0 | 11946 | 2093 | 0 | 14039 |
| 40 | COLA 62/75% + 3% PEN | ACOL A | 1484 | 10153 | 306 | 158 | 0 | 12101 | 3287 | 0 | 15388 |
| 41 | COLA 62/75% + 3% PEN 200(0)/300(E)---0--0 | ACOL A | 1369 | 10379 | 313 | 147 | 0 | 12208 | 3633 | 704 | 16545 |
| 42 | COLA 62/75% + 3% PEN | ACOL A | 2128 | 10498 | 325 | 157 | 0 | 13108 | 3091 | 0 | 16199 |
| 43 | HIGH 3 | ACOL B | 1396 | 10313 | 273 | 150 | 0 | 12132 | 5387 | 0 | 17519 |
| 44 | DEC 30% (1.75 MULT) | ACOL B | 1544 | 9992 | 268 | 164 | 0 | 11968 | 3306 | 0 | 15274 |
| 45 | DEC 30% (1.75 MULT) | ACOL B | 1351 | 10456 | 275 | 146 | 0 | 12228 | 3931 | 686 | 16845 |
| 46 | 3% PEN | ACOL B | 1436 | 10301 | 270 | 154 | 0 | 12161 | 4162 | 0 | 16323 |
| 47 | 3% PEN | ACOL B | 1329 | 10496 | 274 | 144 | 0 | 12243 | 4555 | 555 | 17353 |
| 48 | COLA 62/50% | ACOL B | 1487 | 10110 | 270 | 159 | 0 | 12026 | 3514 | 0 | 15540 |
| 49 | COLA 62/50% | ACOL B | 1358 | 10414 | 275 | 147 | 0 | 12194 | 3983 | 487 | 16664 |
| 50 | COLA 62/75% + 3% PEN | ACOL B | 1474 | 10198 | 269 | 157 | 0 | 12098 | 3370 | 0 | 15468 |

L-B-142
ATCH 4

SERVICE: USAF COMMUNITY: BOTH

RETIREMENT
REF: OPTION: REALLOCATION
OPTION:

COSTS IN \$ MILLIONS

| REF | OPTION | SOURCE | GAIN | MAINT | S&I | LOSS | FIXED | FORCE | REINT | EW | TOTRET | TOTAL |
|-----|--|--------------|------|-------|-----|------|-------|-------|-------|-----|--------|-------|
| 51 | COLA 62/75% + 3% PEN 200(0)/300(E)--0--0 | ACOL B | 1354 | 10440 | 275 | 145 | 0 | 12214 | 3791 | 714 | 4505 | 16719 |
| 52 | DEC 30% (1.75 MULT) | DMSH(ACOL B) | 2178 | 10326 | 325 | 160 | 0 | 12989 | 3232 | 0 | 3232 | 16221 |
| 53 | DEC 30% (1.75 MULT) | DMSH(ACOL B) | 1984 | 10745 | 325 | 146 | 0 | 13200 | 3637 | 694 | 4331 | 17531 |
| 54 | 3% PEN | DMSH(ACOL B) | 2069 | 10609 | 325 | 154 | 0 | 13157 | 3859 | 0 | 3859 | 17016 |
| 55 | 3% PEN | DMSH(ACOL B) | 1962 | 10793 | 325 | 147 | 0 | 13227 | 4154 | 570 | 4724 | 17951 |
| 56 | COLA 62/50% | DMSH(ACOL B) | 2120 | 10436 | 325 | 156 | 0 | 13037 | 3359 | 0 | 3359 | 16396 |
| 57 | COLA 62/50% | DMSH(ACOL B) | 1991 | 10703 | 325 | 147 | 0 | 13166 | 3673 | 499 | 4172 | 17338 |
| 58 | COLA 62/75% + 3% PEN 160--40--50 | DMSH(ACOL B) | 2108 | 10501 | 325 | 154 | 0 | 13088 | 2971 | 0 | 2971 | 16059 |
| 59 | COLA 62/75% + 3% PEN 230(0)/300(E)--0--0 | DMSH(ACOL B) | 1987 | 10731 | 325 | 145 | 0 | 12161 | 4271 | 732 | 4146 | 17334 |
| 60 | SS OFFSET=1.25%/YR | ACOL A | 1433 | 10266 | 308 | 154 | 0 | 12392 | 5522 | 0 | 5522 | 17914 |
| 61 | VEST 22, BEFORE SHIFT | ACOL A | 1343 | 10593 | 310 | 146 | 0 | 12605 | 5714 | 0 | 5714 | 18319 |
| 62 | VEST 24, BEFORE SHIFT | ACOL A | 1320 | 10836 | 307 | 142 | 0 | 12753 | 5445 | 0 | 5445 | 18198 |
| 63 | VEST 30, BEFORE SHIFT | ACOL A | 1361 | 10947 | 301 | 144 | 0 | 11979 | 3455 | 0 | 3455 | 15434 |
| 64 | VEST 22, AFTER SHIFT | ACOL A | 1537 | 9972 | 304 | 166 | 0 | 11868 | 2758 | 0 | 2758 | 14626 |
| 65 | VEST 24, AFTER SHIFT | ACOL A | 1635 | 9758 | 301 | 174 | 0 | 11788 | 2071 | 0 | 2071 | 13859 |
| 66 | VEST 30, AFTER SHIFT | ACOL A | 1792 | 9518 | 293 | 185 | 0 | 12136 | 4573 | 0 | 4573 | 16709 |
| 67 | RMA | ACOL A | 1437 | 10275 | 270 | 154 | 0 | 12122 | 4614 | 0 | 4614 | 16736 |
| 68 | USRBA W/O LOAN | ACOL A | 1450 | 10248 | 270 | 154 | 0 | 12199 | 4857 | 430 | 5287 | 17486 |
| 69 | USRBA WITH LOAN | ACOL A | 1360 | 10418 | 274 | 147 | 0 | 12101 | 1524 | 0 | 1524 | 13625 |
| 70 | PPSSCC OSD 24B | ACOL A | 1514 | 10121 | 304 | 162 | 0 | 12071 | 1436 | 0 | 1436 | 13507 |
| 71 | PPSSCC USAF 1.9% | ACOL A | 1627 | 9977 | 299 | 168 | 0 | 12071 | 1436 | 0 | 1436 | 13507 |

L-B-143
ATCH 4

SERVICE: USAF COMMUNITY: BOTH

REF: OPTION: RETIREMENT REALLOCATION OPTION:

| | TERM PAY | SOURCE: | GAIN | MAINT | S&I | LOSS | FIXED | FORCE | REMT | EW | TOTRET | TOTAL |
|----|-----------------------|----------|------|-------|-----|------|-------|-------|-------|------|--------|-------|
| 2 | HIGH 3 | ACOL A/S | 1374 | 10388 | 273 | 148 | 0 | 12183 | 5706 | 0 | 5706 | 17889 |
| 3 | DEC 10% | ACOL A | 23 | -85 | 39 | 2 | 0 | -21 | -329 | 0 | -329 | -350 |
| 4 | DEC 20% | ACOL A | 74 | -193 | 37 | 7 | 0 | -75 | -1052 | 0 | -1052 | -1127 |
| 5 | DEC 20% | ACOL A | 115 | -284 | 35 | 11 | 0 | -123 | -1722 | 0 | -1722 | -1845 |
| 6 | DEC 20% | ACOL A | 7 | -55 | 40 | 1 | 0 | -7 | -1348 | 449 | -899 | -906 |
| 7 | DEC 30% | ACOL A | 162 | -372 | 33 | 15 | 0 | -162 | -2362 | 0 | -2362 | -2524 |
| 8 | DEC 30% | ACOL A | 40 | -187 | 40 | 4 | 0 | -103 | -1964 | 557 | -1407 | -1510 |
| 9 | DEC 40% | ACOL A | 209 | -455 | 40 | 18 | 0 | 56 | -1834 | 673 | -2962 | -3159 |
| 10 | DEC 50% | ACOL A | 255 | -533 | 28 | 22 | 0 | -228 | -3522 | 0 | -3522 | -3750 |
| 11 | DEC 50% | ACOL A | 48 | -117 | 37 | 5 | 0 | -27 | -835 | 0 | -835 | -862 |
| 12 | 1% PENALTY | ACOL A | -3 | -28 | 40 | 0 | 0 | 9 | -610 | 235 | -375 | -366 |
| 13 | 1% PEN | ACOL A | 66 | -137 | 35 | 7 | 0 | -29 | -1281 | 0 | -1281 | -1310 |
| 14 | 2% PEN | ACOL A | -3 | 6 | 40 | 0 | 0 | 33 | -956 | 390 | -566 | -533 |
| 15 | 3% PEN | ACOL A | 68 | -138 | 34 | 8 | 0 | -28 | -1644 | 0 | -1644 | -1672 |
| 16 | 3% PEN | ACOL A | -30 | 47 | 40 | -1 | 0 | 56 | -1262 | 545 | -717 | -661 |
| 17 | 3% PEN | ACOL A | 75 | -113 | 33 | 7 | 0 | 2 | -2035 | 0 | -2035 | -2033 |
| 18 | 4% PEN | ACOL A | -601 | 125 | 41 | -10 | 0 | -445 | -1489 | 704 | -785 | -1230 |
| 19 | 4% PEN | ACOL A | 71 | -69 | 33 | 7 | 0 | 42 | -2108 | 0 | -2108 | -2066 |
| 20 | 5% PEN | ACOL A | 66 | -17 | 32 | 6 | 0 | 87 | -2247 | 0 | -2247 | -2160 |
| 21 | 6% PEN | ACOL A | -114 | 334 | 43 | -1 | 0 | 252 | -1762 | 1031 | -731 | -479 |
| 22 | 6% PEN | ACOL A | 32 | -101 | 38 | 3 | 0 | -28 | -566 | 0 | -566 | -594 |
| 23 | COLA 30/90% | ACOL A | 47 | -125 | 37 | 5 | 0 | -36 | -900 | 0 | -900 | -936 |
| 24 | COLA 30/75% | ACOL A | 54 | -136 | 37 | 6 | 0 | -39 | -1065 | 0 | -1065 | -1104 |
| 25 | COLA 30/67% | ACOL A | 67 | -157 | 36 | 7 | 0 | -47 | -1387 | 0 | -1387 | -1434 |
| 26 | COLA 30/50% | ACOL A | 76 | -177 | 35 | 8 | 0 | -58 | -1683 | 0 | -1683 | -1741 |
| 27 | COLA 30/33% | ACOL A | 86 | -193 | 34 | 8 | 0 | -65 | -2153 | 0 | -2153 | -2218 |
| 28 | COLA 30/0% | ACOL A | 42 | -129 | 37 | 5 | 0 | -45 | -860 | 0 | -860 | -905 |
| 29 | COLA 62/90% | ACOL A | 70 | -188 | 36 | 7 | 0 | -75 | -1433 | 0 | -1433 | -1508 |
| 30 | COLA 62/75% | ACOL A | 83 | -216 | 36 | 8 | 0 | -89 | -1649 | 0 | -1649 | -1738 |
| 31 | COLA 62/67% | ACOL A | 109 | -269 | 35 | 10 | 0 | -115 | -2184 | 0 | -2184 | -2299 |
| 32 | COLA 62/50% | ACOL A | -8 | -8 | 40 | 0 | 0 | 24 | -1767 | 480 | -1287 | -1263 |
| 33 | COLA 62/33% | ACOL A | 133 | -318 | 34 | 12 | 0 | -139 | -2649 | 0 | -2649 | -2788 |
| 34 | COLA 62/0% | ACOL A | 174 | -396 | 32 | 15 | 0 | -175 | -3311 | 0 | -3311 | -3486 |
| 35 | COLA LIFE/75% | ACOL A | 78 | -204 | -2 | 8 | 0 | -120 | -1582 | 0 | -1582 | -1702 |
| 36 | COLA LIFE/50% | ACOL A | 127 | -305 | -4 | 12 | 0 | -170 | -2482 | 0 | -2482 | -2652 |
| 37 | COLA LIFE/25% | ACOL A | 166 | -386 | -5 | 16 | 0 | -209 | -3133 | 0 | -3133 | -3342 |
| 38 | COLA LIFE/0% | ACOL A | 201 | -451 | -6 | 19 | 0 | -237 | -3613 | 0 | -3613 | -3850 |
| 39 | COLA LIFE/0% + 3% PEN | ACOL A | 110 | -235 | 33 | 10 | 0 | -82 | -2419 | 0 | -2419 | -2501 |
| 40 | COLA 62/75% + 3% PEN | ACOL A | -5 | -9 | 40 | -1 | 0 | 25 | -2073 | 704 | -1369 | -1344 |
| 41 | COLA 62/75% + 3% PEN | ACOL A | 754 | 110 | 52 | 9 | 0 | 925 | -2615 | 0 | -2615 | -1690 |
| 42 | COLA 62/67% + 3% PEN | ACOL A | 22 | -75 | 0 | 2 | 0 | -51 | -319 | 0 | -319 | -370 |
| 43 | DEC 30% (1.75 MULT) | ACOL B | 170 | -396 | -5 | 16 | 0 | -215 | -2400 | 0 | -2400 | -2615 |
| 44 | DEC 30% (1.75 MULT) | ACOL B | -23 | 68 | 2 | -2 | 0 | 45 | -1775 | 686 | -1089 | -1044 |
| 45 | 3% PEN | ACOL B | 62 | -87 | -3 | 6 | 0 | -22 | -1544 | 0 | -1544 | -1566 |
| 46 | 3% PEN | ACOL B | 45 | 108 | 1 | -4 | 0 | 60 | -1151 | 555 | -596 | -536 |
| 47 | 3% PEN | ACOL B | 115 | -278 | -3 | 11 | 0 | -157 | -2192 | 0 | -2192 | -2349 |
| 48 | COLA 62/50% | ACOL B | -16 | 26 | 2 | -1 | 0 | 11 | -1723 | 487 | -1236 | -1225 |
| 49 | COLA 62/50% | ACOL B | 100 | -190 | -4 | 9 | 0 | -85 | -2336 | 0 | -2336 | -2421 |
| 50 | COLA 62/75% + 3% PEN | ACOL B | | | | | | | | | | |

L-B-144
ATCH 4

SERVICE: USAF COMMUNITY: BOTH

\$ DELTAS FROM CASE 2

RETIREMENT
REF: OPTION: REALLOCATION
OPTION:

| REF: | OPTION: | REALLOCATION
OPTION: | SOURCE: | GAIN | MAINT | SEI | LOSS | FIXED | FORCE | RETRT | EV | TOTRET | TOTAL |
|------|-----------------------|-------------------------|--------------|------|-------|-----|------|-------|-------|-------|-----|--------|-------|
| 51 | COLA 62/75% + 3% PEN | 200(0)/300(E)--0--0 | ACOL B | -20 | 52 | 2 | -3 | 0 | 31 | -1915 | 714 | -1201 | -1170 |
| 52 | DEC 30% (1.75 MULT) | NONE | DMSH(ACOL B) | 834 | -62 | 52 | 12 | 0 | 806 | -2474 | 0 | -2474 | -1668 |
| 53 | DEC 30% (1.75 MULT) | 210-60-100 | DMSH(ACOL B) | 610 | 357 | 52 | -2 | 0 | 1017 | -2069 | 694 | -1375 | -358 |
| 54 | 3% PEN | NONE | DMSH(ACOL B) | 695 | 221 | 52 | 6 | 0 | 974 | -1847 | 0 | -1847 | -873 |
| 55 | 3% PEN | 210--0--0 | DMSH(ACOL B) | 588 | 405 | 52 | -1 | 0 | 1044 | -1552 | 570 | -982 | 62 |
| 56 | COLA 62/50% | NONE | DMSH(ACOL B) | 746 | 48 | 52 | 8 | 0 | 854 | -2347 | 0 | -2347 | -1493 |
| 57 | COLA 62/50% | 160--40--50 | DMSH(ACOL B) | 617 | 315 | 52 | -1 | 0 | 983 | -2033 | 499 | -1534 | -551 |
| 58 | COLA 62/75% + 3% PEN | NONE | DMSH(ACOL B) | 734 | 113 | 52 | 6 | 0 | 905 | -2735 | 0 | -2735 | -1830 |
| 59 | COLA 62/75% + 3% PEN | 200(0)/300(E)--0--0 | DMSH(ACOL B) | 613 | 343 | 52 | -3 | 0 | 1005 | -2292 | 732 | -1560 | -555 |
| 60 | SS OFFSET=1.25%/YR | NONE | ACOL A | 59 | -122 | 35 | 6 | 0 | -22 | -1435 | 0 | -1435 | -1457 |
| 61 | VEST 22, BEFORE SHIFT | NONE | ACOL A | -31 | 205 | 37 | -2 | 0 | 209 | -184 | 0 | -184 | 25 |
| 62 | VEST 24, BEFORE SHIFT | NONE | ACOL A | -54 | 448 | 34 | -6 | 0 | 422 | 8 | 0 | 8 | 430 |
| 63 | VEST 30, BEFORE SHIFT | NONE | ACOL A | -13 | 559 | 28 | -4 | 0 | 570 | -261 | 0 | -261 | 309 |
| 64 | VEST 22, AFTER SHIFT | NONE | ACOL A | 163 | -416 | 31 | 18 | 0 | -204 | -2251 | 0 | -2251 | -2455 |
| 65 | VEST 24, AFTER SHIFT | NONE | ACOL A | 261 | -630 | 28 | 26 | 0 | -315 | -2948 | 0 | -2948 | -3263 |
| 66 | VEST 30, AFTER SHIFT | NONE | ACOL A | 418 | -870 | 20 | 37 | 0 | -395 | -3635 | 0 | -3635 | -4030 |
| 67 | RWA | NONE | ACOL A | 63 | -113 | -3 | 6 | 0 | -47 | -1133 | 0 | -1133 | -1180 |
| 68 | USRBA W/O LOAN | NONE | ACOL A | 76 | -140 | 1 | 6 | 0 | -61 | -1092 | 0 | -1092 | -1153 |
| 69 | USRBA WITH LOAN | LOAN OPTION | ACOL A | -14 | 50 | 1 | -1 | 0 | 16 | -849 | 430 | -419 | -403 |
| 70 | PPSSCC OSD 248 | NONE | ACOL A | 140 | -267 | 31 | 14 | 0 | -82 | -4182 | 0 | -4182 | -4264 |
| 71 | PPSSCC USAF 1.9% | NONE | ACOL A | 253 | -411 | 26 | 20 | 0 | -112 | -4270 | 0 | -4270 | -4382 |

L-B-145
ATCH 4

SERVICE: USAF COMMUNITY: BOTH

REF: OPTION: RETIREMENT REALLOCATION
OPTION:

2 TERM PAY
3 HIGH 3
4 DEC 10%
5 DEC 20%
6 DEC 20%
7 DEC 30%
8 DEC 30%
9 DEC 30%
10 DEC 40%
11 DEC 50%
12 1% PENALTY
13 1% PEN
14 2% PEN
15 2% PEN
16 3% PEN
17 3% PEN
18 4% PEN
19 4% PEN
20 5% PEN
21 6% PEN
22 6% PEN
23 COLA 30/90%
24 COLA 30/75%
25 COLA 30/67%
26 COLA 30/50%
27 COLA 30/33%
28 COLA 30/0%
29 COLA 62/90%
30 COLA 62/75%
31 COLA 62/67%
32 COLA 62/50%
33 COLA 62/33%
34 COLA 62/0%
35 COLA LIFE/75%
36 COLA LIFE/50%
37 COLA LIFE/25%
38 COLA LIFE/0%
39 COLA 62/75% + 3% PEN
40 COLA 62/75% + 3% PEN
41 COLA 62/75% + 3% PEN
42 COLA 62/67% + 3% PEN
43 HIGH 3
44 DEC 30% (1.75 MULT)
45 DEC 30% (1.75 MULT)
46 3% PEN
47 3% PEN
48 COLA 62/50%
49 COLA 62/50%
50 COLA 62/75% + 3% PEN

L-B-146
ATCH 4

% DELTAS FROM CASE 2

| SOURCE: | GAIN | MAINT | SEI | LOSS | FIXED | FORCE | RETM | EW | TOTRET | TOTAL |
|----------|------|-------|-----|------|-------|-------|------|----|--------|-------|
| ACOL A/B | 1374 | 10383 | 273 | 148 | 0 | 12183 | 5766 | 0 | 5706 | 17889 |
| ACOL A | 2 | -1 | 14 | 1 | 0 | 0 | -6 | 0 | -6 | -2 |
| ACOL A | 5 | -2 | 14 | 5 | 0 | -1 | -18 | 0 | -18 | -6 |
| ACOL A | 8 | -3 | 13 | 7 | 0 | -1 | -30 | 0 | -30 | -10 |
| ACOL A | 1 | -1 | 15 | 1 | 0 | 0 | -24 | 0 | -24 | -5 |
| ACOL A | 12 | -4 | 12 | 10 | 0 | -1 | -41 | 0 | -41 | -14 |
| ACOL A | 3 | -2 | 15 | 3 | 0 | -1 | -34 | 0 | -34 | -8 |
| ACOL A | -1 | 0 | 15 | 0 | 0 | 0 | -20 | 0 | -20 | -6 |
| ACOL A | 15 | -4 | 11 | 12 | 0 | -2 | -52 | 0 | -52 | -18 |
| ACOL A | 19 | -5 | 10 | 15 | 0 | -2 | -62 | 0 | -62 | -21 |
| ACOL A | 3 | -1 | 14 | 3 | 0 | 0 | -15 | 0 | -15 | -5 |
| ACOL A | 0 | 0 | 15 | 0 | 0 | 0 | -11 | 0 | -11 | -2 |
| ACOL A | 5 | -1 | 13 | 5 | 0 | 0 | -22 | 0 | -22 | -7 |
| ACOL A | -1 | 0 | 15 | 0 | 0 | 0 | -17 | 0 | -17 | -3 |
| ACOL A | 5 | -1 | 12 | 5 | 0 | 0 | -29 | 0 | -29 | -9 |
| ACOL A | -2 | 0 | 15 | -1 | 0 | 0 | -22 | 0 | -22 | -4 |
| ACOL A | 5 | -1 | 12 | 5 | 0 | 0 | -36 | 0 | -36 | -11 |
| ACOL A | -4 | 1 | 12 | -7 | 0 | -4 | -26 | 0 | -26 | -7 |
| ACOL A | 5 | -1 | 12 | 5 | 0 | 0 | -37 | 0 | -37 | -12 |
| ACOL A | 5 | 0 | 12 | 4 | 0 | 1 | -39 | 0 | -39 | -12 |
| ACOL A | -8 | 3 | 15 | -7 | 0 | 2 | -31 | 0 | -31 | -3 |
| ACOL A | 2 | -1 | 14 | 2 | 0 | 0 | -10 | 0 | -10 | -3 |
| ACOL A | 3 | -1 | 14 | 3 | 0 | 0 | -16 | 0 | -16 | -5 |
| ACOL A | 4 | -1 | 14 | 4 | 0 | 0 | -19 | 0 | -19 | -6 |
| ACOL A | 5 | -2 | 13 | 5 | 0 | 0 | -24 | 0 | -24 | -8 |
| ACOL A | 6 | -2 | 13 | 6 | 0 | 0 | -29 | 0 | -29 | -10 |
| ACOL A | 6 | -2 | 12 | 5 | 0 | 0 | -38 | 0 | -38 | -12 |
| ACOL A | 3 | -1 | 14 | 3 | 0 | 0 | -15 | 0 | -15 | -5 |
| ACOL A | 5 | -2 | 13 | 5 | 0 | -1 | -25 | 0 | -25 | -8 |
| ACOL A | 8 | -3 | 13 | 7 | 0 | -1 | -38 | 0 | -38 | -10 |
| ACOL A | -1 | 0 | 15 | 0 | 0 | 0 | -31 | 0 | -31 | -7 |
| ACOL A | 10 | -3 | 12 | 8 | 0 | -1 | -46 | 0 | -46 | -16 |
| ACOL A | 13 | -4 | 12 | 10 | 0 | -1 | -58 | 0 | -58 | -19 |
| ACOL A | 6 | -2 | 11 | 5 | 0 | -1 | -28 | 0 | -28 | -10 |
| ACOL A | 9 | -3 | -1 | 8 | 0 | -1 | -43 | 0 | -43 | -15 |
| ACOL A | 12 | -4 | -2 | 11 | 0 | -2 | -55 | 0 | -55 | -19 |
| ACOL A | 15 | -4 | -2 | 13 | 0 | -2 | -63 | 0 | -63 | -22 |
| ACOL A | 8 | -2 | 12 | 7 | 0 | -1 | -42 | 0 | -42 | -14 |
| ACOL A | 0 | 0 | 15 | -1 | 0 | 0 | -36 | 0 | -36 | -8 |
| ACOL A | 55 | 1 | 19 | 6 | 0 | 8 | -46 | 0 | -46 | -9 |
| ACOL B | 2 | -1 | 0 | 1 | 0 | 0 | -6 | 0 | -6 | -2 |
| ACOL B | 12 | -4 | -2 | 11 | 0 | -2 | -42 | 0 | -42 | -15 |
| ACOL B | -2 | 1 | 1 | -1 | 0 | 0 | -31 | 0 | -31 | -6 |
| ACOL B | 5 | -1 | -1 | 4 | 0 | 0 | -27 | 0 | -27 | -9 |
| ACOL B | -3 | 1 | 0 | -3 | 0 | -1 | -20 | 0 | -20 | -3 |
| ACOL B | 8 | -3 | -1 | 7 | 0 | -1 | -38 | 0 | -38 | -13 |
| ACOL B | -1 | 0 | 1 | -1 | 0 | 0 | -30 | 0 | -30 | -7 |
| ACOL B | 7 | -2 | -1 | 6 | 0 | -1 | -41 | 0 | -41 | -14 |

SERVICE: USAF COMMUNITY: BOTH

RETIREMENT REALLOCATION
REF: OPTION: OPTION:

51 COLA 62/75% + 3% PEN 200(O)/300(E)--0--0
52 DEC 30% (1.75 MULT) NONE
53 DEC 30% (1.75 MULT) 210-60-100
54 3% PEN NONE
55 3% PEN 210--0--G
56 COLA 62/50% NONE
57 COLA 62/50% 160--40--50
58 COLA 62/75% + 3% PEN NONE
59 COLA 62/75% + 3% PEN 200(O)/300(E)--0--0
60 SS OFFSET=1.25%/YR NONE
61 VEST 22,BEFORE SHIFT NONE
62 VEST 24,BEFORE SHIFT NONE
63 VEST 30,BEFORE SHIFT NONE
64 VEST 22,AFTER SHIFT NONE
65 VEST 24,AFTER SHIFT NONE
66 VEST 30,AFTER SHIFT NONE
67 RMA NONE
68 USRBA W/O LOAN NONE
69 USRBA WITH LOAN LGAN OPTION
70 PPSSCC OSD 24B NONE
71 PPSSCC USAF 1.9% NONE

% DELTAS FROM CASE 2

| S&I | LOSS | FIXED | FORCE | REHY | EW | TOTRET | TOTAL |
|-----|------|-------|-------|------|-------|--------|-------|
| 1 | -2 | 0 | 0 | -34 | ***** | -21 | -7 |
| 19 | 8 | 0 | 7 | -43 | 0 | -43 | -9 |
| 19 | -1 | 0 | 8 | -36 | ***** | -24 | -2 |
| 19 | 4 | 0 | 8 | -32 | 0 | -32 | -5 |
| 19 | -1 | 0 | 9 | -27 | ***** | -17 | 0 |
| 19 | 5 | 0 | 7 | -41 | 0 | -41 | -8 |
| 19 | -1 | 0 | 8 | -36 | ***** | -27 | -3 |
| 19 | 4 | 0 | 7 | -48 | 0 | -48 | -10 |
| 19 | -2 | 0 | 8 | -40 | ***** | -27 | -3 |
| 19 | 4 | 0 | 0 | -25 | 0 | -25 | -8 |
| 13 | 4 | 0 | 0 | -3 | 0 | -3 | 0 |
| 14 | -1 | 0 | 2 | 0 | 0 | 0 | 2 |
| 12 | -4 | 0 | 3 | 0 | 0 | 0 | 2 |
| 10 | -3 | 0 | 5 | -5 | 0 | -5 | -14 |
| 11 | 12 | 0 | -2 | -39 | 0 | -39 | -14 |
| 10 | 18 | 0 | -3 | -52 | 0 | -52 | -18 |
| 7 | 25 | 0 | -3 | -64 | 0 | -64 | -23 |
| -1 | 4 | 0 | 0 | -20 | 0 | -20 | -7 |
| -1 | 4 | 0 | -1 | -19 | 0 | -19 | -6 |
| -1 | 4 | 0 | 0 | -15 | ***** | -7 | -2 |
| 0 | -1 | 0 | 0 | -73 | 0 | -73 | -24 |
| 11 | 9 | 0 | -1 | -75 | 0 | -75 | -24 |
| 10 | 14 | 0 | -1 | -75 | 0 | -75 | -24 |

L-B-147
ATCH 4

SERVICE: DOD COMMUNITY: OFF

REALLOCATION OPTION:

RETIREMENT REF: OPTION:

2 TERM PAY
3 HIGH 3
4 DEC 10%
5 DEC 20%
6 DEC 20%
7 DEC 20%
8 DEC 30%
9 DEC 30%
10 DEC 40%
11 DEC 50%
12 1% PENALTY
13 1% PEN
14 2% PEN
15 2% PEN
16 3% PEN
17 3% PEN
18 4% PEN
19 4% PEN
20 5% PEN
21 6% PEN
22 6% PEN
23 COLA 30/90%
24 COLA 30/75%
25 COLA 30/67%
26 COLA 30/50%
27 COLA 30/33%
28 COLA 30/0%
29 COLA 62/90%
30 COLA 62/75%
31 COLA 62/67%
32 COLA 62/50%
33 COLA 62/33%
34 COLA 62/16%
35 COLA 62/0%
36 COLA LIFE/75%
37 COLA LIFE/50%
38 COLA LIFE/25%
39 COLA LIFE/0%
40 COLA 62/75% + 3% PEN
41 COLA 62/75% + 3% PEN
42 COLA 62/67% + 3% PEN
43 HIGH 3
44 DEC 30% (1.75 MULT)
45 DEC 30% (1.75 MULT)
46 3% PEN
47 3% PEN
48 COLA 62/50%
49 COLA 62/50%
50 COLA 62/75% + 3% PEN

L-B-148
ATCH 4

COSTS IN \$ MILLIONS

| SOURCE: | GAIN | MAINT | S&I | LOSS | FIXED | FORCE | REMT | FW TOTRET | TOTAL |
|----------|------|-------|-----|------|-------|-------|------|-----------|-------|
| ACOL A/B | 3146 | 8041 | 388 | 124 | 0 | 11699 | 5082 | 0 | 16781 |
| ACOL A | 3174 | 8025 | 467 | 126 | 0 | 11792 | 4863 | 0 | 16655 |
| ACOL A | 3303 | 7915 | 463 | 131 | 0 | 11812 | 4230 | 0 | 16042 |
| ACOL A | 3431 | 7806 | 457 | 136 | 0 | 11830 | 3613 | 0 | 15443 |
| ACOL A | 3132 | 8043 | 469 | 124 | 0 | 11768 | 3934 | 383 | 16085 |
| ACOL A | 3570 | 7691 | 450 | 142 | 0 | 11853 | 3016 | 0 | 14869 |
| ACOL A | 3220 | 7915 | 469 | 128 | 0 | 11732 | 3414 | 430 | 15576 |
| ACOL A | 3075 | 8096 | 470 | 121 | 0 | 11762 | 3471 | 575 | 15808 |
| ACOL A | 3715 | 7576 | 444 | 147 | 0 | 11882 | 2417 | 0 | 14299 |
| ACOL A | 3862 | 7464 | 436 | 152 | 0 | 11914 | 1920 | 0 | 13834 |
| ACOL A | 3243 | 7999 | 463 | 126 | 0 | 11831 | 4502 | 0 | 16333 |
| ACOL A | 3105 | 8091 | 469 | 121 | 0 | 11787 | 4693 | 181 | 16661 |
| ACOL A | 3292 | 7976 | 457 | 131 | 0 | 11856 | 4188 | 0 | 16044 |
| ACOL A | 3073 | 8135 | 469 | 121 | 0 | 11798 | 4483 | 300 | 16581 |
| ACOL A | 3311 | 7959 | 454 | 132 | 0 | 11856 | 3930 | 0 | 15786 |
| ACOL A | 3022 | 8185 | 470 | 120 | 0 | 11797 | 4313 | 420 | 16530 |
| ACOL A | 3332 | 7945 | 452 | 132 | 0 | 11861 | 3429 | 0 | 15290 |
| ACOL A | 2415 | 8243 | 471 | 111 | 0 | 11240 | 4168 | 542 | 15950 |
| ACOL A | 3341 | 7926 | 451 | 129 | 0 | 11847 | 3558 | 0 | 15405 |
| ACOL A | 3351 | 7905 | 451 | 129 | 0 | 11836 | 3429 | 0 | 15265 |
| ACOL A | 2828 | 8366 | 474 | 112 | 0 | 11780 | 3941 | 791 | 16512 |
| ACOL A | 3200 | 8013 | 466 | 126 | 0 | 11805 | 4663 | 0 | 16468 |
| ACOL A | 3238 | 7993 | 464 | 129 | 0 | 11824 | 4379 | 0 | 16203 |
| ACOL A | 3258 | 7982 | 462 | 129 | 0 | 11831 | 4238 | 0 | 16069 |
| ACOL A | 3292 | 7960 | 458 | 131 | 0 | 11841 | 3963 | 0 | 15804 |
| ACOL A | 3339 | 7942 | 456 | 132 | 0 | 11869 | 3712 | 0 | 15581 |
| ACOL A | 3349 | 7911 | 455 | 132 | 0 | 11847 | 3290 | 0 | 15137 |
| ACOL A | 3224 | 7987 | 465 | 128 | 0 | 11804 | 4342 | 0 | 16146 |
| ACOL A | 3296 | 7928 | 461 | 130 | 0 | 11817 | 3886 | 0 | 15703 |
| ACOL A | 3315 | 7898 | 459 | 131 | 0 | 11803 | 3773 | 0 | 15576 |
| ACOL A | 3410 | 7838 | 456 | 135 | 0 | 11839 | 3311 | 0 | 15150 |
| ACOL A | 3083 | 8107 | 459 | 121 | 0 | 11780 | 3679 | 406 | 15865 |
| ACOL A | 3480 | 7778 | 453 | 136 | 0 | 11847 | 2866 | 0 | 14713 |
| ACOL A | 3602 | 7679 | 447 | 143 | 0 | 11871 | 2280 | 0 | 14151 |
| ACOL A | 3323 | 7900 | 383 | 132 | 0 | 11738 | 3773 | 0 | 15511 |
| ACOL A | 3448 | 7795 | 380 | 136 | 0 | 11759 | 2971 | 0 | 14730 |
| ACOL A | 3556 | 7705 | 378 | 141 | 0 | 11780 | 2377 | 0 | 14157 |
| ACOL A | 3647 | 7628 | 375 | 145 | 0 | 11795 | 1935 | 0 | 13730 |
| ACOL A | 3416 | 7861 | 451 | 135 | 0 | 11863 | 3258 | 0 | 15121 |
| ACOL A | 3119 | 8091 | 466 | 123 | 0 | 11799 | 3474 | 388 | 15661 |
| ACOL A | 4497 | 8362 | 521 | 133 | 0 | 13513 | 3441 | 0 | 16954 |
| ACOL B | 3175 | 8028 | 386 | 125 | 0 | 11714 | 4925 | 0 | 16639 |
| ACOL B | 3567 | 7691 | 378 | 142 | 0 | 11778 | 3019 | 0 | 14797 |
| ACOL B | 3061 | 8097 | 389 | 121 | 0 | 11668 | 3484 | 577 | 15729 |
| ACOL B | 3290 | 7966 | 380 | 130 | 0 | 11766 | 3961 | 0 | 15727 |
| ACOL B | 3005 | 8187 | 388 | 120 | 0 | 11700 | 4337 | 422 | 16459 |
| ACOL B | 3406 | 7837 | 381 | 135 | 0 | 11759 | 3318 | 0 | 15077 |
| ACOL B | 3073 | 8107 | 388 | 121 | 0 | 11689 | 3688 | 408 | 15785 |
| ACOL B | 3385 | 7870 | 379 | 134 | 0 | 11768 | 3283 | 0 | 15051 |

SERVICE: DOD COMMUNITY: OFF

COSTS IN \$ MILLION:

| REF: | RETIREMENT
OPTION: | REALLOCATION
OPTION: | SOURCE: | GAIN | MAINT | S&I | LOSS | FIXED | FORCE | RETM | EW TOTRET | TOTAL |
|------|-----------------------|-------------------------|--------------|------|-------|-----|------|-------|-------|------|-----------|-------|
| 51 | COLA 62/75% + 3% PEN | 200(0)/300(E)--0--0 | ACOL B | 3099 | 8094 | 386 | 122 | 0 | 11701 | 3614 | 390 | 15705 |
| 52 | DEC 30% (1.75 MULT) | NONE | DMSH(ACOL B) | 4617 | 8190 | 521 | 164 | 0 | 13492 | 3519 | 0 | 17011 |
| 53 | DEC 30% (1.75 MULT) | 210-60-100 | DMSH(ACOL B) | 4111 | 8599 | 521 | 146 | 0 | 13377 | 3850 | 586 | 17813 |
| 54 | 3% PEN | NONE | DMSH(ACOL B) | 4341 | 8434 | 521 | 159 | 0 | 13455 | 4103 | 0 | 17558 |
| 55 | 3% PEN | 210--0--0 | DMSH(ACOL B) | 4055 | 8672 | 521 | 146 | 0 | 13394 | 4437 | 439 | 18270 |
| 56 | COLA 62/50% | NONE | DMSH(ACOL B) | 4456 | 8319 | 521 | 157 | 0 | 13453 | 3731 | 0 | 17184 |
| 57 | COLA 62/75% + 3% PEN | 160--40--50 | DMSH(ACOL B) | 4123 | 8593 | 521 | 146 | 0 | 13383 | 4015 | 418 | 17816 |
| 58 | COLA 62/75% + 3% PEN | NONE | DMSH(ACOL B) | 4436 | 8332 | 521 | 159 | 0 | 13448 | 3348 | 0 | 17596 |
| 59 | COLA 62/75% + 3% PEN | 200(0)/300(E)--0--0 | DMSH(ACOL B) | 4148 | 8570 | 521 | 146 | 0 | 13385 | 3737 | 406 | 17528 |
| 60 | SS OFFSET=1.25%/YR | NONE | ACOL A | 3270 | 7995 | 458 | 129 | 0 | 11852 | 3424 | 0 | 15276 |
| 61 | VEST 22, BEFORE SHIFT | NONE | ACOL A | 3068 | 8207 | 464 | 122 | 0 | 11861 | 4820 | 0 | 16681 |
| 62 | VEST 24, BEFORE SHIFT | NONE | ACOL A | 3066 | 8227 | 461 | 122 | 0 | 11876 | 4708 | 0 | 16584 |
| 63 | VEST 30, BEFORE SHIFT | NONE | ACOL A | 3272 | 8019 | 446 | 132 | 0 | 11869 | 4023 | 0 | 15892 |
| 64 | VEST 22, AFTER SHIFT | NONE | ACOL A | 3568 | 7735 | 444 | 141 | 0 | 11898 | 3408 | 0 | 15296 |
| 65 | VEST 24, AFTER SHIFT | NONE | ACOL A | 3828 | 7563 | 430 | 147 | 0 | 11968 | 3029 | 0 | 14997 |
| 66 | VEST 30, AFTER SHIFT | NONE | ACOL A | 4327 | 7120 | 407 | 167 | 0 | 12021 | 2069 | 0 | 14090 |
| 67 | RMA | NONE | ACOL A | 3295 | 7940 | 381 | 130 | 0 | 11746 | 4006 | 0 | 15752 |
| 68 | USRBA W/O LOAN | NONE | ACOL A | 3338 | 7902 | 380 | 132 | 0 | 11752 | 3899 | 0 | 15651 |
| 69 | USRBA WITH LOAN | LOAN OPTION | ACOL A | 3088 | 8100 | 386 | 122 | 0 | 11696 | 4316 | 323 | 16335 |
| 70 | PPSSCC OSD 248 | NONE | ACOL A | 3543 | 7701 | 444 | 141 | 0 | 11829 | 1476 | 0 | 13305 |
| 71 | PPSSCC USAF 1.9% | NONE | ACOL A | 3939 | 7407 | 427 | 156 | 0 | 11929 | 1073 | 0 | 13002 |

L-B-149
ATCH 4

SERVICE: DOD COMMUNITY: OFF

REF: OPTION: REALLOCATION OPTION:

| REF | OPTION | REALLOCATION OPTION | SOURCE |
|-----|----------------------|---------------------|----------|
| 2 | TERM PAY | NONE | ACOL A/B |
| 3 | HIGH 3 | NONE | ACOL A |
| 4 | DEC 10% | NONE | ACOL A |
| 5 | DEC 20% | NONE | ACOL A |
| 7 | DEC 30% | NONE | ACOL A |
| 8 | DEC 30% | NONE | ACOL A |
| 9 | DEC 30% | NONE | ACOL A |
| 10 | DEC 40% | NONE | ACOL A |
| 11 | DEC 50% | NONE | ACOL A |
| 12 | 1% PENALTY | NONE | ACOL A |
| 13 | 1% PEN | NONE | ACOL A |
| 14 | 2% PEN | NONE | ACOL A |
| 15 | 2% PEN | NONE | ACOL A |
| 16 | 3% PEN | NONE | ACOL A |
| 17 | 3% PEN | NONE | ACOL A |
| 18 | 4% PEN | NONE | ACOL A |
| 19 | 4% PEN | NONE | ACOL A |
| 20 | 5% PEN | NONE | ACOL A |
| 21 | 6% PEN | NONE | ACOL A |
| 22 | 6% PEN | NONE | ACOL A |
| 23 | COLA 30/90% | NONE | ACOL A |
| 24 | COLA 30/75% | NONE | ACOL A |
| 25 | COLA 30/67% | NONE | ACOL A |
| 26 | COLA 30/50% | NONE | ACOL A |
| 27 | COLA 30/33% | NONE | ACOL A |
| 28 | COLA 30/0% | NONE | ACOL A |
| 29 | COLA 62/90% | NONE | ACOL A |
| 30 | COLA 62/75% | NONE | ACOL A |
| 31 | COLA 62/67% | NONE | ACOL A |
| 32 | COLA 62/50% | NONE | ACOL A |
| 33 | COLA 62/33% | NONE | ACOL A |
| 34 | COLA 62/0% | NONE | ACOL A |
| 35 | COLA LIFE/75% | NONE | ACOL A |
| 36 | COLA LIFE/50% | NONE | ACOL A |
| 37 | COLA LIFE/25% | NONE | ACOL A |
| 38 | COLA LIFE/0% | NONE | ACOL A |
| 39 | COLA 62/75% + 3% PEN | NONE | ACOL A |
| 40 | COLA 62/75% + 3% PEN | NONE | ACOL A |
| 41 | COLA 62/75% + 3% PEN | NONE | ACOL A |
| 42 | COLA 62/67% + 3% PEN | NONE | ACOL A |
| 43 | HIGH 3 | NONE | ACOL B |
| 44 | DEC 30% (1.75 MULT) | NONE | ACOL B |
| 45 | DEC 30% (1.75 MULT) | NONE | ACOL B |
| 46 | 3% PEN | NONE | ACOL B |
| 47 | 3% PEN | NONE | ACOL B |
| 48 | COLA 62/50% | NONE | ACOL B |
| 49 | COLA 62/50% | NONE | ACOL B |
| 50 | COLA 62/75% + 3% PEN | NONE | ACOL B |

L-B-150
ATCH 4

S DELTAS FROM CASE 2

| GAIN | MAINT | S&I | LOSS | FIXED | FORCE | REMT | EW | TOTRET | TOTAL |
|------|-------|-----|------|-------|-------|-------|-----|--------|-------|
| 3146 | 8041 | 388 | 124 | 0 | 11699 | 5082 | 0 | 5082 | 16781 |
| 28 | -16 | 79 | 2 | 0 | 93 | -219 | 0 | -219 | -126 |
| 157 | -126 | 75 | 7 | 0 | 113 | -852 | 0 | -852 | -739 |
| 285 | -235 | 69 | 12 | 0 | 131 | -1469 | 0 | -1469 | -1338 |
| -14 | 2 | 81 | 0 | 0 | 69 | -1148 | 383 | -765 | -696 |
| 424 | -350 | 62 | 18 | 0 | 154 | -2066 | 0 | -2066 | -1912 |
| 74 | -126 | 81 | 4 | 0 | 33 | -1668 | 430 | -1238 | -1205 |
| -71 | 55 | 82 | -3 | 0 | 63 | -1611 | 575 | -1036 | -973 |
| 569 | -465 | 56 | 23 | 0 | 183 | -2665 | 0 | -2665 | -2482 |
| 716 | -577 | 48 | 28 | 0 | 215 | -3162 | 0 | -3162 | -2947 |
| 97 | -42 | 75 | 2 | 0 | 132 | -580 | 0 | -580 | -448 |
| -40 | 50 | 81 | -3 | 0 | 88 | -389 | 181 | -208 | -120 |
| 146 | -65 | 69 | 7 | 0 | 157 | -894 | 0 | -894 | -737 |
| -73 | 94 | 81 | -3 | 0 | 99 | -599 | 300 | -299 | -200 |
| 165 | -82 | 66 | 8 | 0 | 157 | -1152 | 0 | -1152 | -995 |
| -124 | 144 | 82 | -4 | 0 | 58 | -769 | 420 | -349 | -251 |
| 186 | -96 | 64 | 8 | 0 | 162 | -1653 | 0 | -1653 | -1491 |
| -731 | 202 | 83 | -13 | 0 | -459 | -914 | 542 | -372 | -831 |
| 195 | -115 | 63 | 5 | 0 | 148 | -1524 | 0 | -1524 | -1376 |
| 205 | -136 | 63 | 5 | 0 | 137 | -1653 | 0 | -1653 | -1516 |
| -318 | 325 | 86 | -12 | 0 | 81 | -1141 | 791 | -350 | -269 |
| 54 | -28 | 78 | 2 | 0 | 106 | -419 | 0 | -419 | -313 |
| 92 | -48 | 76 | 5 | 0 | 125 | -703 | 0 | -703 | -578 |
| 112 | -59 | 74 | 5 | 0 | 132 | -844 | 0 | -844 | -712 |
| 146 | -81 | 70 | 7 | 0 | 142 | -1119 | 0 | -1119 | -977 |
| 193 | -99 | 68 | 8 | 0 | 170 | -1370 | 0 | -1370 | -1200 |
| 203 | -130 | 67 | 8 | 0 | 148 | -1792 | 0 | -1792 | -1644 |
| 78 | -54 | 77 | 4 | 0 | 105 | -740 | 0 | -740 | -635 |
| 152 | -113 | 73 | 6 | 0 | 118 | -1196 | 0 | -1196 | -1078 |
| 169 | -143 | 71 | 7 | 0 | 104 | -1309 | 0 | -1309 | -1205 |
| 264 | -203 | 58 | 11 | 0 | 140 | -1771 | 0 | -1771 | -1631 |
| -63 | 66 | 81 | -3 | 0 | 81 | -1403 | 406 | -997 | -916 |
| 334 | -263 | 65 | 12 | 0 | 148 | -2216 | 0 | -2216 | -2068 |
| 456 | -362 | 59 | 19 | 0 | 172 | -2802 | 0 | -2802 | -2630 |
| 177 | -141 | -5 | 8 | 0 | 39 | -1309 | 0 | -1309 | -1270 |
| 302 | -246 | -8 | 12 | 0 | 60 | -2111 | 0 | -2111 | -2051 |
| 410 | -336 | -10 | 17 | 0 | 81 | -2705 | 0 | -2705 | -2624 |
| 501 | -413 | -13 | 21 | 0 | 96 | -3147 | 0 | -3147 | -3051 |
| 270 | -180 | 63 | 11 | 0 | 164 | -1824 | 0 | -1824 | -1660 |
| -27 | 50 | 78 | -1 | 0 | 100 | -1608 | 388 | -1220 | -1120 |
| 1351 | 321 | 133 | 9 | 0 | 1814 | -1641 | 0 | -1641 | 173 |
| 29 | -13 | -2 | 1 | 0 | 15 | -157 | 0 | -157 | -142 |
| 421 | -350 | -10 | 18 | 0 | 79 | -2063 | 0 | -2063 | -1984 |
| -85 | 56 | 1 | -3 | 0 | -31 | -1598 | 577 | -1021 | -1052 |
| 144 | -75 | -8 | 6 | 0 | 67 | -1121 | 0 | -1121 | -1054 |
| -141 | 146 | 0 | -4 | 0 | 1 | -745 | 422 | -323 | -322 |
| 260 | -204 | -7 | 11 | 0 | 60 | -1764 | 0 | -1764 | -1704 |
| -73 | 66 | 0 | -3 | 0 | -10 | -1394 | 408 | -986 | -996 |
| 239 | -171 | -9 | 10 | 0 | 69 | -1799 | 0 | -1799 | -1730 |

SERVICE: DOD COMMUNITY: OFF

\$ DELTAS FROM CASE 2

RETIREMENT REALLOCATION
REF: OPTION: OPTION:

51 COLA 62/75% + 3% PEN 200(0)/300(E)--0--0
52 DEC 30% (1.75 MULT) NONE
53 DEC 30% (1.75 MULT) 210-60-100
54 3% PEN NONE
55 3% PEN 210--0--0
56 COLA 62/50% NONE
57 COLA 62/50% 160--40--50
58 COLA 62/75% + 3% PEN 200(0)/300(E)--0--0
59 COLA 62/75% + 3% PEN 200(0)/300(E)--0--0
60 SS OFFSET=1.25%/YR NONE
61 VEST 22,BEFORE SHIFT NONE
62 VEST 24,BEFORE SHIFT NONE
63 VEST 30,BEFORE SHIFT NONE
64 VEST 22,AFTER SHIFT NONE
65 VEST 24,AFTER SHIFT NONE
66 VEST 30,AFTER SHIFT NONE
67 RMA NONE
68 USRBA W/O LOAN NONE
69 USRBA WITH LOAN LOAN OPTION
70 PPSCCC OSD 24B NONE
71 PPSCCC USAF 1.9% NONE

| SOURCE: | GAIN | MAINT | S&I | LCSS | FIXED | FORCE | REMT | EW | TOTREI | TOTAL |
|--------------|------|-------|-----|------|-------|-------|-------|-----|--------|-------|
| ACOL B | -47 | 53 | -2 | -2 | 0 | 2 | -1468 | 390 | -1078 | -1076 |
| DMSH(ACOL B) | 1471 | 149 | 133 | 40 | 0 | 1793 | -1563 | 0 | -1563 | 230 |
| DMSH(ACOL B) | 965 | 558 | 133 | 22 | 0 | 1678 | -1232 | 586 | -646 | 1032 |
| DMSH(ACOL B) | 1195 | 393 | 133 | 35 | 0 | 1756 | -979 | 0 | -979 | 777 |
| DMSH(ACOL B) | 909 | 631 | 133 | 22 | 0 | 1695 | -645 | 439 | -205 | 1489 |
| DMSH(ACOL B) | 1310 | 278 | 133 | 33 | 0 | 1754 | -1351 | 0 | -1351 | 403 |
| DMSH(ACOL B) | 977 | 552 | 133 | 22 | 0 | 1684 | -1067 | 418 | -649 | 1035 |
| DMSH(ACOL B) | 1290 | 291 | 133 | 35 | 0 | 1749 | -1734 | 0 | -1734 | 15 |
| DMSH(ACOL B) | 1002 | 529 | 133 | 22 | 0 | 1686 | -1345 | 406 | -939 | 747 |
| ACOL A | 124 | -46 | 70 | 5 | 0 | 153 | -1658 | 0 | -1658 | -1505 |
| ACOL A | -78 | 166 | 76 | -2 | 0 | 162 | -262 | 0 | -262 | -100 |
| ACOL A | -80 | 186 | 73 | -2 | 0 | 177 | -374 | 0 | -374 | -197 |
| ACOL A | 126 | -22 | 58 | 8 | 0 | 170 | -1059 | 0 | -1059 | -889 |
| ACOL A | 422 | -306 | 56 | 17 | 0 | 189 | -1674 | 0 | -1674 | -1485 |
| ACOL A | 682 | -478 | 42 | 23 | 0 | 269 | -2053 | 0 | -2053 | -1784 |
| ACOL A | 1181 | -921 | 19 | 43 | 0 | 322 | -3013 | 0 | -3013 | -2691 |
| ACOL A | 149 | -101 | -7 | 6 | 0 | 47 | -1076 | 0 | -1076 | -1029 |
| ACOL A | 192 | -139 | -8 | 8 | 0 | 53 | -1183 | 0 | -1183 | -1130 |
| ACOL A | -58 | 59 | -2 | -2 | 0 | -3 | -766 | 323 | -443 | -446 |
| ACOL A | 397 | -340 | 56 | 17 | 0 | 130 | -3606 | 0 | -3606 | -3476 |
| ACOL A | 793 | -634 | 39 | 32 | 0 | 230 | -4009 | 0 | -4009 | -3779 |

L-B-151
ATCH 4

SERVICE: DGD COMMUNITY: OFF

REF: RETIREMENT
REALLOCATION
OPTION:

| | TERM PAY | SOURCE: | GAIN | MAINT | SEI | LOSS | FIXED | FORCE | REIMI | EM TOTRET | TOTAL |
|----|----------------------|----------|------|-------|-----|------|-------|-------|-------|-----------|-------|
| 2 | HIGH 3 | ACOL A/B | 3146 | 8041 | 388 | 124 | 0 | 11699 | 5082 | 0 | 5082 |
| 3 | DEC 10% | ACOL A | 5 | 0 | 20 | 2 | 0 | 1 | -4 | 0 | -4 |
| 4 | DEC 20% | ACOL A | 9 | -2 | 19 | 6 | 0 | 1 | -17 | 0 | -17 |
| 5 | DEC 20% | ACOL A | 0 | -3 | 16 | 10 | 0 | 1 | -29 | 0 | -29 |
| 6 | 150--30--70 | ACOL A | 13 | 0 | 21 | 15 | 0 | 1 | -23 | 0 | -23 |
| 7 | DEC 30% | ACOL A | 2 | -4 | 21 | 3 | 0 | 0 | -41 | 0 | -41 |
| 8 | 210--0--0 | ACOL A | -2 | -2 | 21 | -2 | 0 | 1 | -33 | 0 | -33 |
| 9 | 210--60--100 | ACOL A | 18 | -6 | 21 | 19 | 0 | 2 | -32 | 0 | -32 |
| 10 | DEC 40% | ACOL A | 23 | -7 | 12 | 23 | 0 | 2 | -62 | 0 | -62 |
| 11 | DEC 50% | ACOL A | 3 | -1 | 19 | 2 | 0 | 1 | -11 | 0 | -11 |
| 12 | 1% PENALTY | ACOL A | -1 | 1 | 21 | -2 | 0 | 1 | -8 | 0 | -8 |
| 13 | 1% PEN | ACOL A | 5 | -1 | 18 | 6 | 0 | 1 | -18 | 0 | -18 |
| 14 | 2% PEN | ACOL A | -2 | 1 | 21 | -2 | 0 | 1 | -12 | 0 | -12 |
| 15 | 150--0--0 | ACOL A | 5 | -1 | 17 | 6 | 0 | 1 | -23 | 0 | -23 |
| 16 | 3% PEN | ACOL A | -4 | 2 | 21 | -3 | 0 | 1 | -15 | 0 | -15 |
| 17 | 3% PEN | ACOL A | 6 | -1 | 16 | 6 | 0 | 1 | -33 | 0 | -33 |
| 18 | 4% PEN | ACOL A | -23 | 3 | 21 | -10 | 0 | -4 | -18 | 0 | -18 |
| 19 | 4% PEN | ACOL A | 7 | -1 | 16 | 4 | 0 | 1 | -30 | 0 | -30 |
| 20 | 5% PEN | ACOL A | -10 | -2 | 16 | -4 | 0 | 1 | -33 | 0 | -33 |
| 21 | 6% PEN | ACOL A | 3 | 0 | 22 | -10 | 0 | 1 | -22 | 0 | -22 |
| 22 | 6% PEN | ACOL A | 2 | 0 | 20 | 2 | 0 | 1 | -8 | 0 | -8 |
| 23 | COLA 30/90% | ACOL A | 3 | -1 | 20 | 4 | 0 | 1 | -14 | 0 | -14 |
| 24 | COLA 30/75% | ACOL A | 4 | -1 | 19 | 4 | 0 | 1 | -17 | 0 | -17 |
| 25 | COLA 30/67% | ACOL A | 5 | -1 | 18 | 6 | 0 | 1 | -22 | 0 | -22 |
| 26 | COLA 30/50% | ACOL A | 6 | -1 | 18 | 6 | 0 | 1 | -27 | 0 | -27 |
| 27 | COLA 30/33% | ACOL A | 6 | -2 | 17 | 6 | 0 | 1 | -35 | 0 | -35 |
| 28 | COLA 30/0% | ACOL A | 2 | -1 | 20 | 3 | 0 | 1 | -15 | 0 | -15 |
| 29 | COLA 62/90% | ACOL A | 5 | -1 | 19 | 5 | 0 | 1 | -24 | 0 | -24 |
| 30 | COLA 62/75% | ACOL A | 5 | -2 | 18 | 6 | 0 | 1 | -26 | 0 | -26 |
| 31 | COLA 62/67% | ACOL A | 8 | -3 | 18 | 9 | 0 | 1 | -35 | 0 | -35 |
| 32 | COLA 62/50% | ACOL A | -2 | 1 | 21 | -2 | 0 | 1 | -28 | 0 | -28 |
| 33 | COLA 62/33% | ACOL A | 11 | -3 | 17 | 10 | 0 | 1 | -44 | 0 | -44 |
| 34 | COLA 62/0% | ACOL A | 14 | -5 | 15 | 15 | 0 | 1 | -55 | 0 | -55 |
| 35 | COLA LIFE/75% | ACOL A | 6 | -2 | -1 | 6 | 0 | 0 | -26 | 0 | -26 |
| 36 | COLA LIFE/50% | ACOL A | 10 | -3 | -2 | 10 | 0 | 1 | -42 | 0 | -42 |
| 37 | COLA LIFE/25% | ACOL A | 13 | -4 | -3 | 14 | 0 | 1 | -53 | 0 | -53 |
| 38 | COLA LIFE/0% | ACOL A | 16 | -5 | -3 | 17 | 0 | 1 | -62 | 0 | -62 |
| 39 | COLA 62/75% + 3% PEN | ACOL A | 9 | -2 | 16 | 9 | 0 | 1 | -36 | 0 | -36 |
| 40 | COLA 62/75% + 3% PEN | ACOL A | -1 | 1 | 20 | -1 | 0 | 1 | -32 | 0 | -32 |
| 41 | COLA 62/75% + 3% PEN | ACOL A | 43 | 4 | 34 | 7 | 0 | 16 | -32 | 0 | -32 |
| 42 | COLA 62/67% + 3% PEN | ACOL B | 1 | 0 | -1 | 0 | 0 | 0 | -3 | 0 | -3 |
| 43 | HIGH 3 | ACOL B | 13 | -4 | -3 | 15 | 0 | 1 | -41 | 0 | -41 |
| 44 | DEC 30% (1.75 MULT) | ACOL B | -3 | 1 | 0 | -2 | 0 | 0 | -31 | 0 | -31 |
| 45 | DEC 30% (1.75 MULT) | ACOL B | 5 | -1 | -2 | 5 | 0 | 1 | -22 | 0 | -22 |
| 46 | 3% PEN | ACOL B | -4 | 2 | 0 | -3 | 0 | 0 | -15 | 0 | -15 |
| 47 | 3% PEN | ACOL B | 8 | -3 | -2 | 9 | 0 | 1 | -35 | 0 | -35 |
| 48 | COLA 62/50% | ACOL B | -2 | 1 | 0 | -2 | 0 | 0 | -27 | 0 | -27 |
| 49 | COLA 62/50% | ACOL B | 8 | -2 | -2 | 8 | 0 | 1 | -35 | 0 | -35 |
| 50 | COLA 62/75% + 3% PEN | ACOL B | 8 | -2 | -2 | 8 | 0 | 1 | -35 | 0 | -35 |

L-B-152
ATCH 4

% DELTAS FROM CASE 2

SERVICE: DOD COMMUNITY: OFF

RETIREMENT REALLOCATION
REF: OPTION: OPTION:

51 COLA 62/75% + 3% PEN 200(O)/300(E)--0--0
52 DEC 30% (1.75 MULT) NONE
53 DEC 30% (1.75 MULT) 210-60-100
54 3% PEN NONE
55 3% PEN 210--0--0
56 COLA 62/50% + 3% PEN 160--40--50
57 COLA 62/75% + 3% PEN 200(O)/300(E)--0--0
58 COLA 62/75% + 3% PEN 200(O)/300(E)--0--0
59 SS GFFSET=1.25%/YR NONE
60 VEST 22, BEFORE SHIFT NONE
61 VEST 24, BEFORE SHIFT NONE
62 VEST 30, BEFORE SHIFT NONE
63 VEST 22, AFTER SHIFT NONE
64 VEST 24, AFTER SHIFT NONE
65 VEST 30, AFTER SHIFT NONE
66 RHA NONE
67 USRBA W/O LOAN NONE
68 USRBA WITH LOAN LOAN OPTION
69 PPSSCC OSD 248 NONE
70 PPSSCC USAF 1.9% NONE
71

| GAIN | MAINT | S&I | LOSS | FIXED | FORCE | REIMT | EW | TOTRET | TOTAL |
|------|-------|-----|------|-------|-------|-------|-------|--------|-------|
| -1 | 1 | -1 | -2 | 0 | 0 | -29 | ***** | -21 | -6 |
| 47 | 2 | 34 | 32 | 0 | 15 | -31 | 0 | -31 | 1 |
| 31 | 7 | 34 | 18 | 0 | 14 | -24 | ***** | -13 | 6 |
| 38 | 5 | 34 | 28 | 0 | 15 | -19 | 0 | -19 | 5 |
| 29 | 8 | 34 | 18 | 0 | 14 | -13 | ***** | -4 | 9 |
| 42 | 3 | 34 | 27 | 0 | 15 | -21 | 0 | -27 | 2 |
| 31 | 7 | 34 | 18 | 0 | 14 | -21 | ***** | -13 | 6 |
| 41 | 4 | 34 | 28 | 0 | 15 | -34 | 0 | -34 | 0 |
| 32 | 7 | 34 | 18 | 0 | 14 | -26 | ***** | -18 | 4 |
| 4 | -1 | 18 | 4 | 0 | 1 | -33 | 0 | -33 | -9 |
| 4 | 2 | 20 | -2 | 0 | 1 | -5 | 0 | -5 | -1 |
| -3 | 2 | 19 | -2 | 0 | 2 | -7 | 0 | -7 | -1 |
| 4 | 0 | 15 | 6 | 0 | 1 | -21 | 0 | -21 | -5 |
| 13 | -4 | 14 | 14 | 0 | 2 | -33 | 0 | -33 | -9 |
| 22 | -6 | 11 | 19 | 0 | 2 | -40 | 0 | -40 | -11 |
| 38 | -11 | 5 | 35 | 0 | 3 | -59 | 0 | -59 | -16 |
| 5 | -1 | -2 | 5 | 0 | 0 | -21 | 0 | -21 | -6 |
| 6 | -2 | -2 | 6 | 0 | 0 | -23 | 0 | -23 | -7 |
| -2 | 1 | -1 | -2 | 0 | 0 | -15 | ***** | -9 | -3 |
| 13 | -4 | 14 | 14 | 0 | 1 | -71 | 0 | -71 | -21 |
| 25 | -8 | 10 | 26 | 0 | 2 | -79 | 0 | -79 | -23 |

| SERVICE: DOD COMMUNITY: ENL | | | | COSTS IN \$ MILLIONS | | | | | | | | | | |
|-----------------------------|-----------------------|-------------------------|----------|----------------------|-------|------|------|-------|-------|-------|------|--------|-------|--|
| REF: | RETIREMENT
OPTION: | REALLOCATION
OPTION: | SOURCE: | CASH | MAINT | S&I | LOSS | FIXED | FORCE | RENT | EW | TOTRET | TOTAL | |
| 2 | TERM PAY | NONE | ACOL A/B | 2312 | 26922 | 1032 | 460 | 2040 | 32766 | 10077 | 0 | 10077 | 42843 | |
| 3 | HIGH 3 | NONE | ACOL A | 2339 | 26715 | 1031 | 464 | 2040 | 32589 | 9455 | 0 | 9455 | 42044 | |
| 4 | DEC 10% | NONE | ACOL A | 2397 | 26482 | 1021 | 477 | 2040 | 32377 | 7963 | 0 | 7963 | 40340 | |
| 5 | DEC 20% | NONE | ACOL A | 2453 | 26199 | 1011 | 488 | 2040 | 32191 | 6617 | 0 | 6617 | 38808 | |
| 6 | DEC 20% | 150--30--70 | ACOL A | 2318 | 26821 | 1034 | 461 | 2040 | 32674 | 7719 | 810 | 8529 | 41203 | |
| 7 | DEC 30% | NONE | ACOL A | 2502 | 25982 | 1001 | 497 | 2040 | 32022 | 5395 | 0 | 5395 | 37417 | |
| 8 | DEC 30% | 210--0--0 | ACOL A | 2313 | 26564 | 1036 | 465 | 2040 | 32448 | 6564 | 1041 | 7605 | 40053 | |
| 9 | DEC 30% | 210--60--100 | ACOL A | 2305 | 26976 | 1034 | 459 | 2040 | 32814 | 6858 | 1206 | 8004 | 40878 | |
| 10 | DEC 40% | NONE | ACOL A | 2542 | 25797 | 992 | 505 | 2040 | 31876 | 4309 | 0 | 4309 | 36185 | |
| 11 | DEC 50% | NONE | ACOL A | 2579 | 25630 | 986 | 512 | 2040 | 31747 | 3335 | 0 | 3335 | 35082 | |
| 12 | 1% PENALTY | NONE | ACOL A | 2385 | 25573 | 1020 | 473 | 2040 | 32491 | 8322 | 0 | 8322 | 40813 | |
| 13 | 1% PEN | 90--0--0 | ACOL A | 2311 | 26851 | 1035 | 459 | 2040 | 32696 | 8998 | 443 | 5441 | 42137 | |
| 14 | 2% PEN | NONE | ACOL A | 2427 | 26439 | 1009 | 483 | 2040 | 32398 | 7301 | 0 | 7301 | 39699 | |
| 15 | 2% PEN | 150--0--0 | ACOL A | 2308 | 26904 | 1035 | 459 | 2040 | 32746 | 8339 | 734 | 9073 | 41819 | |
| 16 | 3% PEN | NONE | ACOL A | 2456 | 26340 | 999 | 489 | 2040 | 32333 | 6461 | 0 | 6461 | 38794 | |
| 17 | 3% PEN | 210--0--0 | ACOL A | 2302 | 26974 | 1034 | 458 | 2040 | 32808 | 7745 | 1022 | 8767 | 41575 | |
| 18 | 4% PEN | NONE | ACOL A | 2464 | 26357 | 994 | 489 | 2040 | 32344 | 5879 | 0 | 5879 | 38223 | |
| 19 | 4% PEN | 270--0--0 | ACOL A | 2276 | 27131 | 1033 | 452 | 2040 | 32932 | 7327 | 1318 | 8245 | 41577 | |
| 20 | 5% PEN | NONE | ACOL A | 2460 | 26421 | 993 | 489 | 2040 | 32403 | 5492 | 0 | 5492 | 37895 | |
| 21 | 6% PEN | NONE | ACOL A | 2452 | 26520 | 991 | 467 | 2040 | 32490 | 5259 | 0 | 5259 | 37749 | |
| 22 | 6% PEN | 390--0--0 | ACOL A | 2190 | 27656 | 1041 | 435 | 2040 | 33362 | 7017 | 1950 | 8967 | 42329 | |
| 23 | COLA 30/90% | NONE | ACOL A | 2355 | 26658 | 1027 | 468 | 2040 | 32548 | 8958 | 0 | 8958 | 41506 | |
| 24 | COLA 30/75% | NONE | ACOL A | 2379 | 26575 | 1021 | 472 | 2040 | 32485 | 9263 | 0 | 9263 | 40748 | |
| 25 | COLA 30/67% | NONE | ACOL A | 2390 | 26531 | 1020 | 475 | 2040 | 32456 | 7920 | 0 | 7920 | 40376 | |
| 26 | COLA 30/50% | NONE | ACOL A | 2414 | 26444 | 1014 | 479 | 2040 | 32391 | 7241 | 0 | 7241 | 39632 | |
| 27 | COLA 30/33% | NONE | ACOL A | 2436 | 26360 | 1010 | 484 | 2040 | 32330 | 6630 | 0 | 6630 | 38960 | |
| 28 | COLA 30/0% | NONE | ACOL A | 2466 | 26254 | 1000 | 490 | 2040 | 32250 | 5680 | 0 | 5680 | 37930 | |
| 29 | COLA 62/90% | NONE | ACOL A | 2366 | 26591 | 1025 | 470 | 2040 | 32492 | 8374 | 0 | 8374 | 40886 | |
| 30 | COLA 62/75% | NONE | ACOL A | 2404 | 26426 | 1019 | 477 | 2040 | 32366 | 7217 | 0 | 7217 | 39583 | |
| 31 | COLA 62/67% | NONE | ACOL A | 2421 | 26348 | 1016 | 481 | 2040 | 32306 | 6749 | 0 | 6749 | 39055 | |
| 32 | COLA 62/50% | NONE | ACOL A | 2456 | 26198 | 1010 | 488 | 2040 | 32192 | 5670 | 0 | 5670 | 38662 | |
| 33 | COLA 62/33% | 150--40--50 | ACOL A | 2311 | 26892 | 1025 | 459 | 2040 | 32737 | 6845 | 869 | 7714 | 40451 | |
| 34 | COLA 62/15% | NONE | ACOL A | 2486 | 26010 | 1003 | 494 | 2040 | 32053 | 4849 | 0 | 4849 | 36942 | |
| 35 | COLA 62/0% | NONE | ACOL A | 2526 | 25884 | 995 | 501 | 2040 | 31946 | 3660 | 0 | 3660 | 35606 | |
| 36 | COLA LIFE/75% | NONE | ACOL A | 2411 | 26408 | 1017 | 480 | 2040 | 32356 | 6998 | 0 | 6998 | 39154 | |
| 37 | COLA LIFE/50% | NONE | ACOL A | 2470 | 26153 | 1006 | 490 | 2040 | 32159 | 5302 | 0 | 5302 | 37461 | |
| 38 | COLA LIFE/25% | NONE | ACOL A | 2516 | 25956 | 997 | 500 | 2040 | 32009 | 4122 | 0 | 4122 | 36131 | |
| 39 | COLA LIFE/0% | NONE | ACOL A | 2553 | 25798 | 990 | 507 | 2040 | 31888 | 3275 | 0 | 3275 | 35163 | |
| 40 | COLA 62/75% + 3% PEN | NONE | ACOL A | 2498 | 26116 | 993 | 496 | 2040 | 32143 | 5011 | 0 | 5011 | 37154 | |
| 41 | COLA 62/75% + 3% PEN | 210--0--0 | ACOL A | 2284 | 26971 | 1040 | 454 | 2040 | 32789 | 6414 | 1516 | 7930 | 40719 | |
| 42 | COLA 62/67% + 3% PEN | NONE | ACOL A | 3770 | 25772 | 888 | 498 | 2040 | 32958 | 4855 | 0 | 4855 | 37823 | |
| 43 | HIGH 3 | NONE | ACOL E | 2337 | 26744 | 1031 | 464 | 2040 | 32616 | 9473 | 0 | 9473 | 40889 | |
| 44 | DEC 30% (1.75 MULT) | NONE | ACOL E | 2316 | 25946 | 998 | 500 | 2040 | 32000 | 5332 | 0 | 5332 | 37332 | |
| 45 | DEC 30% (1.75 MULT) | 210--60--100 | ACOL E | 2273 | 27093 | 1035 | 452 | 2040 | 32893 | 7040 | 1257 | 5257 | 41130 | |
| 46 | 3% PEN | NONE | ACOL B | 2406 | 26549 | 1007 | 479 | 2040 | 32481 | 5771 | 0 | 5771 | 39752 | |
| 47 | 3% PEN | 210--0--0 | ACOL B | 2255 | 27163 | 1037 | 448 | 2040 | 32943 | 8030 | 1047 | 5077 | 42020 | |
| 48 | COLA 62/50% | NONE | ACOL B | 2462 | 26193 | 1008 | 489 | 2040 | 32192 | 5702 | 0 | 5702 | 37894 | |
| 49 | COLA 62/33% | 150--40--50 | ACOL B | 2294 | 26963 | 1035 | 456 | 2040 | 32788 | 6928 | 882 | 7810 | 40598 | |
| 50 | COLA 62/15% + 3% PEN | NONE | ACOL B | 2457 | 26287 | 999 | 488 | 2040 | 32271 | 5251 | 0 | 5251 | 37522 | |

L-B-154
ATCH 4

| REF. | SERVICE: | DOD | COMMUNITY: | ENL | REALLOCATION
OPTION: | SOURCE: | GAIN | MAINT | S&I | LOSS | FIXED | FORCE | REINT | EW | TOTAL | TOTAL |
|------|----------------------|---------------|------------|--------------|-------------------------|---------|------|-------|------|-------|-------|-------|-------|-------|-------|-------|
| | | | | | | | | | | | | | | | | |
| 51 | COLA 62/75% + 3% PEN | 200(0)/300(-) | --0--0 | ACOL B | 2244 | 27137 | 1043 | 446 | 2040 | 32910 | 6729 | 1543 | 8272 | 41182 | | |
| 52 | DEC 30% (1.75 MULT) | NONE | | DRSM(ACOL B) | 3780 | 25630 | 888 | 500 | 0 | 30798 | 5697 | 0 | 5697 | 36495 | | |
| 53 | DEC 30% (1.75 MULT) | 210-60-100 | | DRSM(ACOL B) | 3516 | 26783 | 888 | 462 | 0 | 31849 | 6918 | 1255 | 8273 | 39852 | | |
| 54 | 3% PEN | NONE | | DRSM(ACOL B) | 3659 | 26225 | 887 | 482 | 0 | 31253 | 6591 | 0 | 6591 | 37844 | | |
| 55 | 3% PEN | 210--0--0 | | DRSM(ACOL B) | 3497 | 26850 | 888 | 459 | 0 | 31694 | 7554 | 1057 | 8611 | 40305 | | |
| 56 | COLA 62/50% | NONE | | DRSM(ACOL B) | 3719 | 25881 | 888 | 491 | 0 | 31679 | 5711 | 0 | 5711 | 36690 | | |
| 57 | COLA 62/50% | 160--40--50 | | DRSM(ACOL B) | 3538 | 26685 | 888 | 465 | 0 | 31576 | 6727 | 901 | 7628 | 39204 | | |
| 58 | COLA 62/75% + 3% PEN | NONE | | DRSM(ACOL B) | 3714 | 25947 | 888 | 490 | 0 | 31639 | 4958 | 0 | 4958 | 36037 | | |
| 59 | COLA 62/75% + 3% PEN | 200(0)/300(E) | --0--0 | DRSM(ACOL B) | 3484 | 26819 | 888 | 457 | 0 | 31648 | 6422 | 1500 | 7992 | 39721 | | |
| 60 | SS OFFSEI=1.25%/YR | NONE | | ACOL A | 2817 | 26485 | 1012 | 480 | 2040 | 32435 | 7266 | 0 | 7266 | 39721 | | |
| 61 | VEST 22,BEFORE SHIFT | NONE | | ACOL A | 2357 | 27146 | 1014 | 463 | 2040 | 32990 | 9444 | 0 | 9444 | 42434 | | |
| 62 | VEST 24,BEFORE SHIFT | NONE | | ACOL A | 2300 | 27625 | 1000 | 457 | 2040 | 33432 | 9716 | 0 | 9716 | 43148 | | |
| 63 | VEST 30,BEFORE SHIFT | NONE | | ACOL A | 2301 | 27575 | 988 | 469 | 2040 | 33173 | 8890 | 0 | 8890 | 42263 | | |
| 64 | VEST 22,BEFORE SHIFT | NONE | | ACOL A | 2361 | 27332 | 973 | 509 | 2040 | 31815 | 4993 | 0 | 4993 | 36808 | | |
| 65 | VEST 24,BEFORE SHIFT | NONE | | ACOL A | 2658 | 25282 | 963 | 529 | 2040 | 31472 | 3318 | 0 | 3318 | 34790 | | |
| 66 | VEST 30,AFTER SHIFT | NONE | | ACOL A | 2729 | 24993 | 949 | 542 | 2040 | 31253 | 2266 | 0 | 2266 | 33519 | | |
| 67 | RMA | NONE | | ACOL A | 2397 | 23533 | 1012 | 476 | 2040 | 32458 | 7544 | 0 | 7544 | 40002 | | |
| 68 | USRBA W/O LOAN | NONE | | ACOL A | 2401 | 25513 | 1013 | 477 | 2040 | 32414 | 7839 | 0 | 7839 | 40283 | | |
| 69 | USRBA WITH LOAN | LOAN OPTION | | ACOL A | 2295 | 26957 | 1032 | 456 | 2040 | 32780 | 8430 | 803 | 9233 | 42113 | | |
| 70 | PPSSCC OSD 24B | NONE | | ACOL A | 2548 | 26957 | 982 | 507 | 2040 | 31986 | 1989 | 0 | 1989 | 33975 | | |
| 71 | PPSSCC USAF 1.9% | NONE | | ACOL A | 2595 | 25716 | 975 | 515 | 2040 | 31841 | 2025 | 0 | 2025 | 33866 | | |

L-B-155
ATCH 4

| SERVICE: DOD COMMUNITY: ENL | | | \$ DELTAS FROM CASE 2 | | | | | | | | | |
|-----------------------------|--|-------------------------|-----------------------|------|-------|------|------|-------|-------|-------|-----------|-------|
| REF: | RETIREMENT
OPTION: | REALLOCATION
OPTION: | SOURCE: | GAIN | MAINT | S&I | LOSS | FIXED | FORCE | RETMT | EW TOTRET | TOTAL |
| 2 | TERM PAY | NONE | ACOL A/B | 2312 | 26222 | 1032 | 460 | 2040 | 32766 | 10077 | 0 | 42843 |
| 3 | HIGH 3 | NONE | ACOL A | 27 | -207 | -1 | 4 | 0 | -177 | -622 | 0 | -799 |
| 4 | DEC 10% | NONE | ACOL A | 85 | -480 | -11 | 17 | 0 | -389 | -2114 | 0 | -2503 |
| 5 | DEC 20% | NONE | ACOL A | 141 | -723 | -21 | 28 | 0 | -575 | -3460 | 0 | -4035 |
| 6 | DEC 30% | 150--30--70 | ACOL A | 6 | -101 | 2 | 1 | 0 | -92 | -2358 | 810 | -1649 |
| 7 | DEC 40% | NONE | ACOL A | 190 | -940 | -31 | 37 | 0 | -744 | -4682 | 0 | -5426 |
| 8 | DEC 50% | 210--0--0 | ACOL A | 31 | -358 | 4 | 5 | 0 | -318 | -3513 | 1041 | -2790 |
| 9 | DEC 60% | 210--60--100 | ACOL A | -7 | -54 | 2 | -1 | 0 | 48 | -3219 | 1206 | -1965 |
| 10 | DEC 70% | NONE | ACOL A | 230 | -1125 | -40 | 45 | 0 | -890 | -5768 | 0 | -6658 |
| 11 | DEC 80% | NONE | ACOL A | 267 | -1292 | -46 | 52 | 0 | -1019 | -6742 | 0 | -7761 |
| 12 | DEC 90% | NONE | ACOL A | 73 | -349 | -12 | 13 | 0 | -275 | -1755 | 0 | -2030 |
| 13 | 1% PEN | 90--0--0 | ACOL A | -1 | -71 | 3 | -1 | 0 | -70 | -1079 | 443 | -706 |
| 14 | 2% PEN | NONE | ACOL A | 115 | -483 | -23 | 23 | 0 | -368 | -2776 | 0 | -3144 |
| 15 | 3% PEN | 150--0--0 | ACOL A | -4 | -18 | -1 | -1 | 0 | -20 | -1739 | 734 | -1024 |
| 16 | 4% PEN | NONE | ACOL A | 144 | -573 | -33 | 29 | 0 | -433 | -3676 | 0 | -4019 |
| 17 | 5% PEN | 210--0--0 | ACOL A | 10 | 52 | 2 | -2 | 0 | 42 | -2332 | 1022 | -1268 |
| 18 | 6% PEN | NONE | ACOL A | 152 | -565 | -38 | 29 | 0 | -422 | -4198 | 0 | -4620 |
| 19 | 7% PEN | 270--0--0 | ACOL A | -36 | 269 | 1 | -8 | 0 | 166 | -2750 | 1318 | -1766 |
| 20 | 8% PEN | NONE | ACOL A | 148 | -501 | -39 | 29 | 0 | -363 | -4585 | 0 | -4948 |
| 21 | 9% PEN | NONE | ACOL A | 140 | -402 | -41 | 27 | 0 | -276 | -4818 | 0 | -5094 |
| 22 | 10% PEN | 390--0--0 | ACOL A | -122 | 734 | 9 | -25 | 0 | 596 | -3060 | 1950 | -514 |
| 23 | COLA 30/90% | NONE | ACOL A | 43 | -264 | -5 | 8 | 0 | -218 | -1119 | 0 | -1337 |
| 24 | COLA 30/75% | NONE | ACOL A | 67 | -349 | -11 | 12 | 0 | -281 | -1814 | 0 | -2095 |
| 25 | COLA 30/60% | NONE | ACOL A | 78 | -391 | -12 | 15 | 0 | -310 | -2157 | 0 | -2467 |
| 26 | COLA 30/50% | NONE | ACOL A | 102 | -478 | -18 | 19 | 0 | -375 | -2836 | 0 | -3211 |
| 27 | COLA 30/33% | NONE | ACOL A | 124 | -562 | -22 | 24 | 0 | -436 | -3447 | 0 | -3883 |
| 28 | COLA 30/0% | NONE | ACOL A | 154 | -668 | -32 | 30 | 0 | -516 | -4397 | 0 | -4913 |
| 29 | COLA 62/90% | NONE | ACOL A | 54 | -331 | -7 | 10 | 0 | -274 | -1683 | 0 | -1957 |
| 30 | COLA 62/75% | NONE | ACOL A | 92 | -496 | -13 | 17 | 0 | -400 | -2860 | 0 | -3260 |
| 31 | COLA 62/60% | NONE | ACOL A | 109 | -574 | -16 | 21 | 0 | -460 | -3328 | 0 | -3788 |
| 32 | COLA 62/50% | NONE | ACOL A | 144 | -724 | -22 | 28 | 0 | -574 | -4407 | 0 | -4981 |
| 33 | COLA 62/33% | 160--40--50 | ACOL A | -1 | -30 | 3 | -1 | 0 | -29 | -3232 | 869 | -2392 |
| 34 | COLA 62/15% | NONE | ACOL A | 174 | -852 | -29 | 34 | 0 | -673 | -5228 | 0 | -5901 |
| 35 | COLA 62/0% | NONE | ACOL A | 214 | -1038 | -37 | 41 | 0 | -820 | -6417 | 0 | -7237 |
| 36 | COLA LIFE/75% | NONE | ACOL A | 99 | -514 | -15 | 20 | 0 | -410 | -3079 | 0 | -3499 |
| 37 | COLA LIFE/50% | NONE | ACOL A | 158 | -769 | -26 | 30 | 0 | -607 | -4775 | 0 | -5382 |
| 38 | COLA LIFE/25% | NONE | ACOL A | 204 | -966 | -35 | 40 | 0 | -757 | -5955 | 0 | -6712 |
| 39 | COLA LIFE/0% | NONE | ACOL A | 241 | -1124 | -42 | 47 | 0 | -878 | -6802 | 0 | -7680 |
| 40 | COLA 62/75% + 3% PEN | NONE | ACOL A | 186 | -806 | -39 | 36 | 0 | -623 | -5066 | 0 | -5689 |
| 41 | COLA 62/75% + 3% PEN 200(0)/300(E)--0--0 | NONE | ACOL A | -28 | -49 | 8 | -6 | 0 | 23 | -3663 | 1516 | -2124 |
| 42 | COLA 62/60% + 3% PEN | NONE | ACOL A | 1458 | -1150 | -14 | 38 | 0 | 202 | -5222 | 0 | -5020 |
| 43 | HIGH 3 | NONE | ACOL B | 25 | -178 | -1 | 4 | 0 | -150 | -604 | 0 | -754 |
| 44 | DEC 30% (1.75 MULT) | NONE | ACOL B | 204 | -976 | -34 | 40 | 0 | -766 | -4745 | 0 | -5511 |
| 45 | DEC 30% (1.75 MULT) | 210--60--100 | ACOL B | -39 | 171 | 3 | -8 | 0 | 127 | -3077 | 1237 | -1840 |
| 46 | 3% PEN | NONE | ACOL B | 94 | -373 | -25 | 19 | 0 | -285 | -3306 | 0 | -3591 |
| 47 | 3% PEN | 210--0--0 | ACOL B | -57 | 241 | 5 | -12 | 0 | 177 | -2047 | 1047 | -1090 |
| 48 | COLA 62/50% | NONE | ACOL B | 150 | -729 | -24 | 29 | 0 | -574 | -4375 | 0 | -4949 |
| 49 | COLA 62/50% + 3% PEN | 160--40--50 | ACOL B | -18 | 41 | 3 | -4 | 0 | 22 | -3149 | 887 | -2245 |
| 50 | COLA 62/75% + 3% PEN | NONE | ACOL B | 145 | -635 | -33 | 28 | 0 | -495 | -4826 | 0 | -5321 |

L-H-156
ATCH 4

S DELTAS FROM CASE 2

SERVICE: DOD COMMUNITY: ENL

| REF: | RETIREMENT
OPTION | REALLOCATION
OPTION | SOURCE: | GAIN | MAINT | S&I | LOSS | FIXED | FORCE | RETMT | EW | TOTRET | TOTAL |
|------|----------------------|------------------------|--------------|------|-------|------|------|-------|-------|-------|------|--------|-------|
| 51 | COLA 62/75% + 3% PEN | 200(O)/300(E)--0--0 | ACOL B | -68 | 215 | 11 | -14 | 0 | 144 | -3348 | 1543 | -1805 | -1661 |
| 52 | DEC 30% (1.75 MULT) | NONE | DMSN(ACOL B) | 1468 | -1292 | -144 | 40 | -2040 | -1968 | -4380 | 0 | -4380 | -6348 |
| 53 | DEC 30% (1.75 MULT) | 210-60-100 | DMSN(ACOL B) | 1204 | -139 | -144 | 2 | -2040 | -1117 | -3129 | 1255 | -1874 | -2891 |
| 54 | 3% PEN | NONE | DMSN(ACOL B) | 1347 | -697 | -144 | 22 | -2040 | -1513 | -3486 | 0 | -3486 | -4999 |
| 55 | 3% PEN | 210-0--0 | DMSN(ACOL B) | 1185 | -72 | -144 | -1 | -2040 | -1072 | -2523 | 1057 | -1466 | -2538 |
| 56 | COLA 52/50% | NONE | DMSN(ACOL B) | 1467 | -1041 | -144 | 31 | -2040 | -1787 | -4366 | 0 | -4366 | -6153 |
| 57 | COLA 62/50% | 160--40--50 | DMSN(ACOL B) | 1226 | -237 | -144 | 5 | -2040 | -1190 | -3350 | 901 | -2449 | -3639 |
| 58 | COLA 62/75% | NONE | DMSN(ACOL B) | 1402 | -975 | -144 | 30 | -2040 | -1727 | -5079 | 0 | -5079 | -6806 |
| 59 | COLA 62/75% + 3% PEN | 200(O)/300(E)--0--0 | DMSN(ACOL B) | 1172 | -103 | -144 | -3 | -2040 | -1118 | -3655 | 1560 | -2095 | -3213 |
| 60 | SS OFFSET=1.25%/YR | NONE | ACOL A | 105 | -436 | -20 | 20 | 0 | -331 | -2791 | 0 | -2791 | -3122 |
| 61 | VEST 22,BEFORE SHIFT | NONE | ACOL A | 15 | 224 | -18 | 3 | 0 | 224 | -633 | 0 | -633 | -409 |
| 62 | VEST 24,BEFORE SHIFT | NONE | ACOL A | -12 | 713 | -32 | -3 | 0 | 666 | -361 | 0 | -361 | 305 |
| 63 | VEST 30,BEFORE SHIFT | NONE | ACOL A | -11 | 653 | -44 | 9 | 0 | 607 | -1187 | 0 | -1187 | -580 |
| 64 | VEST 22,AFTER SHI | NONE | ACOL A | 249 | -1190 | -59 | 49 | 0 | -951 | -5084 | 0 | -5084 | -6035 |
| 65 | VEST 24,AFTER SHI | NONE | ACOL A | 346 | -1640 | -69 | 69 | 0 | -1294 | -6759 | 0 | -6759 | -8053 |
| 66 | VEST 30,AFTER SHI | NONE | ACOL A | 417 | -1929 | -83 | 82 | 0 | -1513 | -7811 | 0 | -7811 | -9324 |
| 67 | RMA | NONE | ACOL A | 85 | -389 | -20 | 16 | 0 | -308 | -2533 | 0 | -2533 | -2841 |
| 68 | USR3A W/O LOAN | NONE | ACOL A | 89 | -409 | -19 | 17 | 0 | -322 | -2238 | 0 | -2238 | -2560 |
| 69 | USRBA WITH LOAN | LOAN OPTION | ACOL A | -17 | 35 | 0 | -4 | 0 | 14 | -1647 | 803 | -844 | -830 |
| 70 | PPSSCC OSC 24B | NONE | ACOL A | 236 | -1013 | -50 | 47 | 0 | -780 | -8088 | 0 | -8088 | -8868 |
| 71 | PPSSCC USAF 1.9% | NONE | ACOL A | 283 | -1206 | -57 | 55 | 0 | -925 | -8052 | 0 | -8052 | -8977 |

L-B-157
ATCH 4

SERVICE: DOD COMMUNITY: ENL

REF: RETIREMENT
OPTION: REALLOCATION
OPTION:

| REF | TERMINATION
OPTION | REALLOCATION
OPTION | SOURCE: | GAIN | PAINT | S&I | LOSS | FIXED | FORCE | REMT | EW | TOTRET | TOTAL |
|-----|-----------------------|------------------------|----------|------|-------|------|------|-------|-------|-------|----|--------|-------|
| 2 | TERM PAY | NONE | ACOL A/B | 2312 | 26922 | 1032 | 460 | 2040 | 32766 | 10077 | 0 | 10077 | 42843 |
| 3 | HIGH 3 | NONE | ACOL A | 1 | -1 | 0 | 1 | 0 | -1 | -6 | 0 | -6 | -2 |
| 4 | DEC 10% | NONE | ACOL A | 4 | -2 | -1 | 4 | 0 | -1 | -21 | 0 | -21 | -6 |
| 5 | DEC 20% | NONE | ACOL A | 6 | -3 | -2 | 6 | 0 | -2 | -34 | 0 | -34 | -9 |
| 6 | DEC 30% | NONE | ACOL A | 8 | -3 | -3 | 8 | 0 | 0 | -23 | 0 | -23 | -4 |
| 7 | DEC 40% | NONE | ACOL A | 8 | -3 | -3 | 8 | 0 | 0 | -46 | 0 | -46 | -13 |
| 8 | DEC 50% | NONE | ACOL A | 1 | -1 | 0 | 1 | 0 | -1 | -35 | 0 | -35 | -7 |
| 9 | DEC 60% | NONE | ACOL A | 0 | 0 | 0 | 0 | 0 | 0 | -25 | 0 | -25 | -5 |
| 10 | DEC 70% | NONE | ACOL A | 10 | -4 | -4 | 10 | 0 | -3 | -57 | 0 | -57 | -16 |
| 11 | DEC 80% | NONE | ACOL A | 12 | -5 | -4 | 11 | 0 | -3 | -67 | 0 | -67 | -18 |
| 12 | DEC 90% | NONE | ACOL A | 3 | -1 | -1 | 3 | 0 | -1 | -17 | 0 | -17 | -5 |
| 13 | DEC 100% | NONE | ACOL A | 5 | -2 | -2 | 5 | 0 | 0 | -11 | 0 | -11 | -2 |
| 14 | DEC 110% | NONE | ACOL A | 5 | -2 | -2 | 5 | 0 | -1 | -28 | 0 | -28 | -7 |
| 15 | DEC 120% | NONE | ACOL A | 6 | -2 | -3 | 6 | 0 | -1 | -36 | 0 | -36 | -9 |
| 16 | DEC 130% | NONE | ACOL A | 0 | 0 | -4 | 0 | 0 | 0 | -23 | 0 | -23 | -3 |
| 17 | DEC 140% | NONE | ACOL A | 7 | -2 | -4 | 6 | 0 | -1 | -42 | 0 | -42 | -11 |
| 18 | DEC 150% | NONE | ACOL A | -2 | 1 | 0 | -2 | 0 | 1 | -27 | 0 | -27 | -3 |
| 19 | DEC 160% | NONE | ACOL A | 6 | -2 | -4 | 6 | 0 | -1 | -45 | 0 | -45 | -12 |
| 20 | DEC 170% | NONE | ACOL A | 6 | -1 | -4 | 6 | 0 | 0 | -48 | 0 | -48 | -12 |
| 21 | DEC 180% | NONE | ACOL A | 1 | 3 | 1 | -5 | 0 | -2 | -30 | 0 | -30 | -11 |
| 22 | DEC 190% | NONE | ACOL A | 2 | -1 | 0 | 2 | 0 | 0 | -11 | 0 | -11 | -3 |
| 23 | DEC 200% | NONE | ACOL A | 3 | -1 | -1 | 3 | 0 | -1 | -18 | 0 | -18 | -5 |
| 24 | DEC 210% | NONE | ACOL A | 3 | -1 | -1 | 3 | 0 | -1 | -21 | 0 | -21 | -6 |
| 25 | DEC 220% | NONE | ACOL A | 4 | -2 | -2 | 4 | 0 | -1 | -28 | 0 | -28 | -7 |
| 26 | DEC 230% | NONE | ACOL A | 5 | -2 | -2 | 5 | 0 | -1 | -34 | 0 | -34 | -9 |
| 27 | DEC 240% | NONE | ACOL A | 7 | -2 | -3 | 7 | 0 | -2 | -44 | 0 | -44 | -11 |
| 28 | DEC 250% | NONE | ACOL A | 2 | -1 | -1 | 2 | 0 | -1 | -17 | 0 | -17 | -5 |
| 29 | DEC 260% | NONE | ACOL A | 4 | -2 | -2 | 4 | 0 | -1 | -28 | 0 | -28 | -8 |
| 30 | DEC 270% | NONE | ACOL A | 5 | -3 | -2 | 5 | 0 | -2 | -33 | 0 | -33 | -9 |
| 31 | DEC 280% | NONE | ACOL A | 6 | -3 | -2 | 6 | 0 | -2 | -44 | 0 | -44 | -12 |
| 32 | DEC 290% | NONE | ACOL A | 0 | 0 | 0 | 0 | 0 | 0 | -32 | 0 | -32 | -6 |
| 33 | DEC 300% | NONE | ACOL A | 8 | -3 | -3 | 8 | 0 | -2 | -52 | 0 | -52 | -14 |
| 34 | DEC 310% | NONE | ACOL A | 9 | -4 | -4 | 9 | 0 | -3 | -64 | 0 | -64 | -17 |
| 35 | DEC 320% | NONE | ACOL A | 4 | -2 | -1 | 4 | 0 | -1 | -31 | 0 | -31 | -8 |
| 36 | DEC 330% | NONE | ACOL A | 7 | -3 | -3 | 7 | 0 | -2 | -47 | 0 | -47 | -13 |
| 37 | DEC 340% | NONE | ACOL A | 9 | -4 | -4 | 9 | 0 | -3 | -59 | 0 | -59 | -16 |
| 38 | DEC 350% | NONE | ACOL A | 10 | -4 | -4 | 10 | 0 | -3 | -68 | 0 | -68 | -18 |
| 39 | DEC 360% | NONE | ACOL A | 8 | -3 | -4 | 8 | 0 | -2 | -50 | 0 | -50 | -13 |
| 40 | DEC 370% | NONE | ACOL A | -1 | 0 | 1 | -1 | 0 | 0 | -36 | 0 | -36 | -5 |
| 41 | DEC 380% | NONE | ACOL A | 63 | -4 | -14 | 8 | 0 | 1 | -52 | 0 | -52 | -12 |
| 42 | DEC 390% | NONE | ACOL A | 1 | -1 | 0 | 1 | 0 | 0 | -6 | 0 | -6 | -2 |
| 43 | DEC 400% | NONE | ACOL B | 9 | -4 | -3 | 9 | 0 | -2 | -47 | 0 | -47 | -13 |
| 44 | DEC 410% | NONE | ACOL B | 2 | 1 | 0 | -2 | 0 | 0 | -31 | 0 | -31 | -4 |
| 45 | DEC 420% | NONE | ACOL B | 4 | -1 | -2 | 4 | 0 | -1 | -33 | 0 | -33 | -8 |
| 46 | DEC 430% | NONE | ACOL B | -2 | 1 | -2 | -3 | 0 | 1 | -20 | 0 | -20 | -2 |
| 47 | DEC 440% | NONE | ACOL B | 6 | -3 | -2 | 6 | 0 | -2 | -43 | 0 | -43 | -12 |
| 48 | DEC 450% | NONE | ACOL B | -1 | 0 | -3 | -1 | 0 | 0 | -31 | 0 | -31 | -5 |
| 49 | DEC 460% | NONE | ACOL B | 6 | -3 | -2 | 6 | 0 | -2 | -48 | 0 | -48 | -12 |
| 50 | DEC 470% | NONE | ACOL B | -1 | 0 | -3 | -1 | 0 | 0 | -2 | 0 | -2 | -12 |

L-B-158
ATCH 4

SERVICE: DOD COMMUNITY: ENL

| REF: | RETIREMENT
OPTION: | REALLOCATION
OPTION: | SOURCE: | GAIN | MAINT | S&I | LOSS | FIXED | FORCE | REMT | EW TOTRE | TOTAL |
|------|-----------------------|-------------------------|--------------|------|-------|-----|------|-------|-------|------|----------|-------|
| 51 | COLA 62/75% + 3% PEN | 200(0)/300(E)--0--0 | ACOL B | -3 | 1 | 1 | -3 | 0 | 0 | -33 | ***** | -4 |
| 52 | DEC 30% (1.75 MULT) | NONE | DMSM(ACOL B) | 63 | -5 | -14 | 9 | -100 | -6 | -43 | 0 | -15 |
| 53 | DEC 30% (1.75 MULT) | 210-60-100 | DMSM(ACOL B) | 52 | -1 | -14 | 0 | -100 | -3 | -31 | ***** | -17 |
| 54 | 3% PEN | NONE | DMSM(ACOL B) | 58 | -3 | -14 | 5 | -100 | -5 | -35 | 0 | -12 |
| 55 | 3% PEN | 210--0--0 | DMSM(ACOL B) | 51 | 0 | -14 | 0 | -100 | -3 | -25 | ***** | -15 |
| 56 | COLA 62/50% | NONE | DMSM(ACOL B) | 61 | -4 | -14 | 7 | -100 | -5 | -43 | 0 | -14 |
| 57 | COLA 62/50% | 160-40--50 | DMSM(ACOL B) | 53 | -1 | -14 | 7 | -100 | -4 | -33 | ***** | -24 |
| 58 | COLA 62/75% + 3% PEN | NONE | DMSM(ACOL B) | 61 | -4 | -14 | 1 | -100 | -5 | -50 | 0 | -16 |
| 59 | COLA 62/75% + 3% PEN | 200(0)/300(E)--0--0 | DMSM(ACOL B) | 51 | 0 | -14 | -1 | -100 | -3 | -36 | ***** | -21 |
| 60 | SS OFFSET=1.25%/YR | NONE | ACOL A | 5 | -2 | -2 | 4 | 0 | -1 | -28 | 0 | -7 |
| 61 | VEST 22,BEFORE SHIFT | NONE | ACOL A | 1 | 1 | -2 | 1 | 0 | 1 | -6 | 0 | -1 |
| 62 | VEST 24,BEFORE SHIFT | NONE | ACOL A | -1 | 3 | -3 | -1 | 0 | 2 | -4 | 0 | 1 |
| 63 | VEST 30,BEFORE SHIFT | NONE | ACOL A | 0 | 2 | -4 | 2 | 0 | 2 | -12 | 0 | -12 |
| 64 | VEST 22,AFTER SHIFT | NONE | ACOL A | 11 | -4 | -6 | 11 | 0 | -3 | -50 | 0 | -14 |
| 65 | VEST 24,AFTER SHIFT | NONE | ACOL A | 15 | -6 | -7 | 15 | 0 | -4 | -67 | 0 | -19 |
| 66 | VEST 30,AFTER SHIFT | NONE | ACOL A | 18 | -7 | -8 | 18 | 0 | -5 | -78 | 0 | -22 |
| 67 | RMA | NONE | ACOL A | 4 | -1 | -2 | 3 | 0 | -1 | -25 | 0 | -7 |
| 68 | USRBA W/O LOAN | NONE | ACOL A | 4 | -2 | -2 | 4 | 0 | -1 | -22 | 0 | -6 |
| 69 | USRBA WITH LOAN | LOAN OPTION | ACOL A | -1 | 0 | 0 | -1 | 0 | 0 | -16 | ***** | -8 |
| 70 | PPSSCC OSD 24B | NONE | ACOL A | 10 | -4 | -5 | 10 | 0 | -2 | -80 | 0 | -21 |
| 71 | PPSSCC USAF 1.9% | NONE | ACOL A | 12 | -4 | -6 | 12 | 0 | -3 | -80 | 0 | -21 |

% DELTAS FROM CASE 2

L-B-159
ATCH 4

| SERVICE: DOD COMMUNITY: BOTH | | | COSTS IN \$ MILLIONS | | | | | | | | | | |
|------------------------------|-----------------------|-------------------------|----------------------|------|-------|------|------|-------|-------|-------|------|--------|-------|
| REF: | RETIREMENT
OPTION: | REALLOCATION
OPTION: | SOURCE: | GAIN | MAINT | S&I | LOSS | FIXED | FORCE | REMT | EW | TOTRET | TOTAL |
| 2 | TERM PAY | NONE | ACOL A/B | 5458 | 34963 | 1420 | 584 | 2040 | 44465 | 15159 | 0 | 15159 | 59624 |
| 3 | HIGH 3 | NONE | ACOL A | 5513 | 34740 | 1498 | 590 | 2040 | 44381 | 14318 | 0 | 14318 | 58699 |
| 4 | DEC 10 | NONE | ACOL A | 5700 | 34357 | 1484 | 608 | 2040 | 44189 | 12193 | 0 | 12193 | 56382 |
| 5 | DEC 20 | NONE | ACOL A | 5884 | 34005 | 1458 | 624 | 2040 | 44021 | 10230 | 0 | 10230 | 54251 |
| 6 | DEC 30 | 150--30--70 | ACOL A | 5450 | 34864 | 1503 | 595 | 2040 | 44442 | 11653 | 1193 | 12846 | 57288 |
| 7 | DEC 40 | NONE | ACOL A | 6072 | 33673 | 1451 | 639 | 2040 | 43875 | 8411 | 0 | 8411 | 52286 |
| 8 | DEC 50 | 210--0--0 | ACOL A | 5563 | 34479 | 1505 | 593 | 2040 | 44180 | 9978 | 1471 | 11449 | 52629 |
| 9 | DEC 60 | 210--60--100 | ACOL A | 5380 | 35072 | 1504 | 580 | 2040 | 44576 | 10329 | 1781 | 12110 | 56886 |
| 10 | DEC 70 | NONE | ACOL A | 6257 | 33373 | 1436 | 652 | 2040 | 43758 | 6726 | 0 | 6726 | 50484 |
| 11 | DEC 80 | NONE | ACOL A | 6441 | 33094 | 1422 | 664 | 2040 | 43661 | 5255 | 0 | 5255 | 48916 |
| 12 | 1% PENALTY | NONE | ACOL A | 5628 | 34572 | 1483 | 599 | 2040 | 44322 | 12824 | 674 | 12824 | 57146 |
| 13 | 1% PEN | 90--0--0 | ACOL A | 5417 | 34942 | 1504 | 580 | 2040 | 44483 | 13691 | 674 | 14315 | 58798 |
| 14 | 2% PEN | NONE | ACOL A | 5719 | 34415 | 1466 | 614 | 2040 | 44254 | 11489 | 0 | 11489 | 55743 |
| 15 | 3% PEN | NONE | ACOL A | 5381 | 35039 | 1504 | 530 | 2040 | 44544 | 12822 | 1034 | 13856 | 58400 |
| 16 | 3% PEN | 150--0--0 | ACOL A | 5767 | 34308 | 1453 | 621 | 2040 | 44189 | 10391 | 0 | 10391 | 54580 |
| 17 | 3% PEN | NONE | ACOL A | 5324 | 35159 | 1504 | 578 | 2040 | 44605 | 12058 | 1442 | 13300 | 58105 |
| 18 | 4% PEN | 110--0--0 | ACOL A | 5796 | 34302 | 1446 | 621 | 2040 | 44205 | 9308 | 0 | 9308 | 53513 |
| 19 | 4% PEN | 270--0--0 | ACOL A | 4691 | 35374 | 1504 | 563 | 2040 | 44172 | 11425 | 1860 | 13355 | 57527 |
| 20 | 5% PEN | NONE | ACOL A | 5801 | 34347 | 1444 | 618 | 2040 | 44250 | 9050 | 0 | 9050 | 53300 |
| 21 | 6% PEN | NONE | ACOL A | 5803 | 34425 | 1442 | 616 | 2040 | 44326 | 8688 | 0 | 8688 | 53014 |
| 22 | 6% PEN | 390--0--0 | ACOL A | 5018 | 36022 | 1515 | 547 | 2040 | 45142 | 10928 | 2741 | 13599 | 58841 |
| 23 | COLA 30/90 | NONE | ACOL A | 5555 | 34671 | 1493 | 594 | 2040 | 44353 | 13621 | 0 | 13521 | 57974 |
| 24 | COLA 30/75 | NONE | ACOL A | 5617 | 34566 | 1485 | 601 | 2040 | 44309 | 12642 | 0 | 12642 | 56951 |
| 25 | COLA 30/60 | NONE | ACOL A | 5648 | 34513 | 1482 | 604 | 2040 | 44287 | 12158 | 0 | 12158 | 56445 |
| 26 | COLA 30/50 | NONE | ACOL A | 5706 | 34404 | 1472 | 610 | 2040 | 44232 | 11204 | 0 | 11204 | 55436 |
| 27 | COLA 30/33 | NONE | ACOL A | 5775 | 34302 | 1466 | 616 | 2040 | 44199 | 10342 | 0 | 10342 | 54541 |
| 28 | COLA 30/0 | NONE | ACOL A | 5815 | 34165 | 1455 | 622 | 2040 | 44097 | 8970 | 0 | 8970 | 53067 |
| 29 | COLA 62/90 | NONE | ACOL A | 5590 | 34578 | 1490 | 598 | 2040 | 44296 | 12736 | 0 | 12736 | 57032 |
| 30 | COLA 62/75 | NONE | ACOL A | 5702 | 34354 | 1480 | 607 | 2040 | 44183 | 11103 | 0 | 11103 | 55286 |
| 31 | COLA 62/60 | NONE | ACOL A | 5736 | 34246 | 1475 | 612 | 2040 | 44109 | 10522 | 0 | 10522 | 54631 |
| 31 | COLA 62/60 | NONE | ACOL A | 5736 | 34246 | 1475 | 612 | 2040 | 44109 | 10522 | 0 | 10522 | 54631 |
| 32 | COLA 62/50 | NONE | ACOL A | 5866 | 34036 | 1466 | 623 | 2040 | 44031 | 8981 | 0 | 8981 | 53012 |
| 32 | COLA 62/50 | 160--40--50 | ACOL A | 5394 | 34999 | 1504 | 580 | 2040 | 44517 | 10524 | 1275 | 11799 | 56316 |
| 33 | COLA 62/33 | NONE | ACOL A | 5966 | 33848 | 1456 | 630 | 2040 | 43940 | 7715 | 0 | 7715 | 51655 |
| 34 | COLA 62/0 | NONE | ACOL A | 6128 | 33563 | 1442 | 644 | 2040 | 43817 | 5940 | 0 | 5940 | 49757 |
| 35 | COLA 62/0 | NONE | ACOL A | 5734 | 34308 | 1400 | 612 | 2040 | 44094 | 10771 | 0 | 10771 | 54865 |
| 36 | COLA LIFE/75 | NONE | ACOL A | 5918 | 33948 | 1386 | 626 | 2040 | 43918 | 8273 | 0 | 8273 | 52191 |
| 37 | COLA LIFE/50 | NONE | ACOL A | 6072 | 33661 | 1375 | 641 | 2040 | 43789 | 6499 | 0 | 6499 | 50288 |
| 38 | COLA LIFE/25 | NONE | ACOL A | 6200 | 33426 | 1365 | 652 | 2040 | 43683 | 5210 | 0 | 5210 | 48893 |
| 39 | COLA LIFE/0 | NONE | ACOL A | 5914 | 33977 | 1444 | 631 | 2040 | 44006 | 8269 | 0 | 8269 | 52275 |
| 40 | COLA 62/75 | 3% PEN | ACOL A | 5403 | 35062 | 1506 | 577 | 2040 | 44588 | 9888 | 1804 | 11732 | 56380 |
| 41 | COLA 62/75 | 3% PEN | ACOL A | 5267 | 34134 | 1409 | 631 | 2040 | 44481 | 8296 | 0 | 8296 | 54777 |
| 42 | COLA 62/60 | 3% PEN | ACOL A | 6267 | 34134 | 1409 | 631 | 2040 | 44481 | 8296 | 0 | 8296 | 54777 |
| 43 | HIGH 3 | NONE | ACOL B | 5512 | 34772 | 1417 | 589 | 2040 | 44330 | 14398 | 0 | 14398 | 58728 |
| 44 | DEC 30% (1.75 MULT) | NONE | ACOL B | 6083 | 33637 | 1376 | 642 | 2040 | 44378 | 14398 | 0 | 14398 | 58728 |
| 45 | DEC 30% (1.75 MULT) | 210--60--100 | ACOL B | 5324 | 35190 | 1424 | 573 | 2040 | 44561 | 10484 | 1814 | 12258 | 50859 |
| 46 | 3% PEN | NONE | ACOL B | 5696 | 34515 | 1387 | 659 | 2040 | 44247 | 10732 | 0 | 10732 | 54979 |
| 47 | 3% PEN | 210--0--0 | ACOL B | 5260 | 35350 | 1425 | 568 | 2040 | 44543 | 12367 | 1469 | 13836 | 58479 |
| 48 | COLA 62/50 | NONE | ACOL B | 5868 | 34020 | 1389 | 624 | 2040 | 44395 | 9020 | 0 | 9020 | 52971 |
| 49 | COLA 62/50 | 160--40--50 | ACOL B | 5367 | 35070 | 1423 | 577 | 2040 | 44477 | 10616 | 1290 | 11906 | 53883 |
| 50 | COLA 62/75 | 3% PEN | ACOL B | 5842 | 34157 | 1378 | 622 | 2040 | 44477 | 10616 | 0 | 10616 | 53883 |
| | | NONE | ACOL B | | | 1238 | 622 | 2040 | 44039 | 8534 | 0 | 8534 | 52577 |

L-B-160
ATCH 4

| SERVICE: DOD COMMUNITY: BOTH | | | | COSTS IN \$ MILLIONS | | | | | | | | | |
|------------------------------|-----------------------|-------------------------|--------------|----------------------|-------|------|------|-------|-------|-------|-----------|-------|--|
| REF: | RETIREMENT
OPTION: | REALLOCATION
OPTION: | SOURCE: | GAIN | MAINT | S&I | LOSS | FIXED | FORCE | RETMT | EW TOTRET | TOTAL | |
| 51 | COLA 62/75% + 3% PEN | 200(O)/300(E)--0--0 | ACOL B | 5343 | 35231 | 1429 | 568 | 2040 | 44611 | 10353 | 1933 | 56887 | |
| 52 | DEC 30% (1.75 MULT) | NONE | DHSM(ACOL B) | 8397 | 33820 | 1409 | 664 | 0 | 44290 | 9216 | 0 | 53206 | |
| 53 | DEC 30% (1.75 MULT) | 210-60-100 | DHSM(ACOL B) | 7627 | 35382 | 1409 | 608 | 0 | 45026 | 10798 | 1841 | 57665 | |
| 54 | 3% PEN | NONE | DHSM(ACOL B) | 8000 | 34659 | 1408 | 641 | 0 | 44708 | 10694 | 0 | 55402 | |
| 55 | 3% PEN | 210-0-0 | DHSM(ACOL B) | 7552 | 35522 | 1409 | 605 | 0 | 45088 | 11991 | 1496 | 58575 | |
| 56 | COLA 62/50% + 3% PEN | 160--40--50 | DHSM(ACOL B) | 8175 | 34200 | 1409 | 648 | 0 | 44432 | 9442 | 0 | 53874 | |
| 57 | COLA 62/75% + 3% PEN | NONE | DHSM(ACOL B) | 7667 | 35278 | 1409 | 611 | 0 | 44959 | 10742 | 1319 | 57020 | |
| 58 | COLA 62/75% + 3% PEN | NONE | DHSM(ACOL B) | 8150 | 34279 | 1409 | 649 | 0 | 44487 | 8346 | 0 | 52833 | |
| 59 | SS OFFSET 1.25%/YR | NONE | ACOL A | 5697 | 34481 | 1470 | 609 | 2040 | 44287 | 10710 | 1966 | 57158 | |
| 60 | VEST 22. BEFORE SHIFT | NONE | ACOL A | 5395 | 35353 | 1478 | 585 | 2040 | 44851 | 14264 | 0 | 59115 | |
| 61 | VEST 24. BEFORE SHIFT | NONE | ACOL A | 5356 | 35862 | 1461 | 579 | 2040 | 45208 | 14424 | 0 | 59732 | |
| 62 | VEST 30. BEFORE SHIFT | NONE | ACOL A | 5573 | 35594 | 1434 | 601 | 2040 | 45242 | 12913 | 0 | 58155 | |
| 63 | VEST 22. AFTER SHIFT | NONE | ACOL A | 6129 | 33467 | 1417 | 650 | 2040 | 43703 | 8401 | 0 | 52104 | |
| 64 | VEST 22. AFTER SHIFT | NONE | ACOL A | 6486 | 32845 | 1393 | 676 | 2040 | 43440 | 6347 | 0 | 49787 | |
| 65 | VEST 24. AFTER SHIFT | NONE | ACOL A | 7056 | 32113 | 1356 | 709 | 2040 | 43274 | 4335 | 0 | 47609 | |
| 66 | VEST 30. AFTER SHIFT | NONE | ACOL A | 5692 | 34473 | 1393 | 606 | 2040 | 44204 | 11550 | 0 | 55754 | |
| 67 | RMA W/O LOAN | NONE | ACOL A | 5739 | 34415 | 1393 | 609 | 2040 | 44196 | 11738 | 0 | 55934 | |
| 68 | USRBA W/O LOAN | LOAN OPTION | ACOL A | 5383 | 35057 | 1418 | 578 | 2040 | 44475 | 12746 | 1126 | 58348 | |
| 69 | USRBA WITH LOAN | NONE | ACOL A | 6091 | 33610 | 1426 | 648 | 2040 | 43815 | 3465 | 0 | 57280 | |
| 70 | PPSSCC OSD 24B | NONE | ACOL A | 6534 | 33123 | 1402 | 671 | 2040 | 43770 | 3098 | 0 | 46868 | |
| 71 | PPSSCC USAF 1.9% | NONE | ACOL A | | | | | | | | | | |

L-B-161
ATCH 4

SERVICE: DOD COMMUNITY: BOTH

S DELTAS FROM CASE 2

REF: RETIREMENT
OPTION: REALLOCATION

| | TERM PAY | SOURCE: | GAIN | MAINT | SSI | LOSS | FIXED | FORCE | RETMT | FW | TOTRET | TOTAL |
|----|---------------------|----------|------|-------|------|------|-------|-------|-------|------|--------|--------|
| 2 | HIGH 3 | ACOL A/B | 5458 | 34963 | 1420 | 584 | 2040 | 44465 | 15159 | 0 | 15159 | 59624 |
| 3 | HIGH 3 | ACOL A | 55 | -223 | 78 | 6 | 0 | -84 | -841 | 0 | -841 | -925 |
| 4 | DEC 10 | ACOL A | 242 | -606 | 64 | 24 | 0 | -276 | -2966 | 0 | -2966 | -3242 |
| 5 | DEC 20 | ACOL A | 426 | -958 | 149 | 40 | 0 | -444 | -4929 | 0 | -4929 | -5373 |
| 6 | DEC 20 | ACOL A | -8 | -99 | 81 | 1 | 0 | -23 | -3506 | 1193 | -4929 | -5373 |
| 7 | DEC 30 | ACOL A | 614 | -1290 | 31 | 55 | 0 | -530 | -6748 | 0 | -6748 | -7338 |
| 8 | DEC 30 | ACOL A | 105 | -484 | 85 | 9 | 0 | -285 | -5181 | 1471 | -6748 | -7338 |
| 9 | DEC 30 | ACOL A | -78 | -109 | 84 | 9 | 0 | -111 | -4830 | 1101 | -6748 | -7338 |
| 10 | DEC 30 | ACOL A | 799 | -1590 | 16 | 68 | 0 | -707 | -8433 | 0 | -8433 | -9140 |
| 11 | DEC 50 | ACOL A | 983 | -1809 | 2 | 80 | 0 | -804 | -9904 | 0 | -9904 | -10708 |
| 12 | 1% PENALTY | ACOL A | 170 | -391 | 63 | 15 | 0 | -143 | -2335 | 0 | -2335 | -2478 |
| 13 | 1% PEN | ACOL A | -61 | -21 | 84 | -4 | 0 | 18 | -1468 | 624 | -844 | -826 |
| 14 | 2% PEN | ACOL A | 261 | -548 | 46 | 30 | 0 | -211 | -3670 | 0 | -3670 | -3881 |
| 15 | 2% PEN | ACOL A | -77 | -76 | 84 | -4 | 0 | -79 | -2337 | 1034 | -1303 | -1224 |
| 16 | 3% PEN | ACOL A | 309 | -655 | 33 | 37 | 0 | -276 | -4768 | 0 | -4768 | -5044 |
| 17 | 3% PEN | ACOL A | -134 | -196 | 84 | -6 | 0 | -140 | -3101 | 1442 | -1659 | -1519 |
| 18 | 4% PEN | ACOL A | 338 | -661 | 26 | 31 | 0 | -260 | -5851 | 0 | -5851 | -6111 |
| 19 | 4% PEN | ACOL A | -767 | -431 | 84 | -21 | 0 | -293 | -3664 | 1961 | -1804 | -2097 |
| 20 | 5% PEN | ACOL A | 343 | -616 | 24 | 34 | 0 | -215 | -6109 | 0 | -6109 | -6324 |
| 21 | 6% PEN | ACOL A | 345 | -638 | 22 | 32 | 0 | -139 | -6471 | 0 | -6471 | -6610 |
| 22 | 6% PEN | ACOL A | -440 | -1459 | 95 | -37 | 0 | 677 | -4201 | 2741 | -1460 | -783 |
| 23 | COLA 30/9% | ACOL A | 97 | -292 | 73 | 10 | 0 | -112 | -1538 | 0 | -1538 | -1650 |
| 24 | COLA 30/7% | ACOL A | 159 | -397 | 65 | 17 | 0 | -156 | -2517 | 0 | -2517 | -2673 |
| 25 | COLA 30/6% | ACOL A | 190 | -450 | 62 | 20 | 0 | -178 | -3001 | 0 | -3001 | -3179 |
| 26 | COLA 30/5% | ACOL A | 248 | -559 | 52 | 26 | 0 | -233 | -3955 | 0 | -3955 | -4188 |
| 27 | COLA 30/3% | ACOL A | 317 | -661 | 46 | 32 | 0 | -266 | -4817 | 0 | -4817 | -5083 |
| 28 | COLA 30/2% | ACOL A | 357 | -798 | 35 | 39 | 0 | -368 | -6189 | 0 | -6189 | -6557 |
| 29 | COLA 30/1% | ACOL A | 132 | -385 | 70 | 14 | 0 | -169 | -2423 | 0 | -2423 | -2592 |
| 30 | COLA 62/7% | ACOL A | 294 | -609 | 60 | 23 | 0 | -282 | -4056 | 0 | -4056 | -4338 |
| 31 | COLA 62/6% | ACOL A | 278 | -717 | 55 | 28 | 0 | -356 | -4637 | 0 | -4637 | -4993 |
| 32 | COLA 62/5% | ACOL A | 408 | -927 | 46 | 39 | 0 | -434 | -6178 | 0 | -6178 | -6612 |
| 33 | COLA 62/5% | ACOL A | -64 | -36 | 84 | -4 | 0 | 52 | -4655 | 1175 | -3360 | -3308 |
| 34 | COLA 62/3% | ACOL A | 508 | -1115 | 36 | 46 | 0 | -525 | -7444 | 0 | -7444 | -7969 |
| 35 | COLA 62/2% | ACOL A | 670 | -1400 | 22 | 60 | 0 | -648 | -9219 | 0 | -9219 | -9867 |
| 36 | COLA 62/1% | ACOL A | 276 | -655 | -20 | 28 | 0 | -371 | -4388 | 0 | -4388 | -4759 |
| 37 | COLA LIFE/7% | ACOL A | 460 | -1015 | -34 | 42 | 0 | -547 | -6886 | 0 | -6886 | -7433 |
| 38 | COLA LIFE/5% | ACOL A | 614 | -1302 | -45 | 57 | 0 | -676 | -8660 | 0 | -8660 | -9336 |
| 39 | COLA LIFE/3% | ACOL A | 742 | -1537 | -55 | 68 | 0 | -782 | -9949 | 0 | -9949 | -10731 |
| 40 | COLA 62/7% | ACOL A | 456 | -986 | 24 | 47 | 0 | -459 | -6890 | 0 | -6890 | -7349 |
| 41 | COLA 62/7% | ACOL A | -55 | -99 | 86 | -7 | 0 | 123 | -5271 | 1414 | -3367 | -3244 |
| 42 | COLA 62/6% | ACOL A | 2809 | -829 | -11 | 47 | 0 | 2016 | -6863 | 0 | -6863 | -7433 |
| 43 | HIGH 3 | ACOL B | 54 | -191 | -3 | 5 | 0 | -135 | -761 | 0 | -761 | -896 |
| 44 | DEC 30% (1.75 MULT) | ACOL B | 625 | -1326 | -14 | 58 | 0 | -687 | -6808 | 0 | -6808 | -7495 |
| 45 | DEC 30% (1.75 MULT) | ACOL B | -124 | -227 | 4 | -11 | 0 | -96 | -4627 | 1511 | -2861 | -2765 |
| 46 | 3% PEN | ACOL B | 238 | -448 | -33 | 25 | 0 | -218 | -4427 | 0 | -4427 | -4645 |
| 47 | 3% PEN | ACOL B | -198 | -387 | 5 | -16 | 0 | -178 | -2792 | 1425 | -1323 | -1145 |
| 48 | COLA 62/5% | ACOL B | 410 | -933 | -31 | 40 | 0 | -514 | -6139 | 0 | -6139 | -6653 |
| 49 | COLA 62/5% | ACOL B | -91 | -107 | 3 | -7 | 0 | 12 | -4543 | 171 | -3253 | -3241 |
| 50 | COLA 62/7% | ACOL B | 384 | -806 | -42 | 38 | 0 | -426 | -6625 | 0 | -6625 | -7051 |

L-B-162
ATCH 4

SERVICE: DOD COMMUNITY: BOTH

\$ DELTAS FROM CASE 2

| REF: | OPTION: | REALLOCATION
OPTION: | SOURCE: | GAIN | MAINT | S&I | LOSS | FIXED | FORCE | REMT | EW | TOTPEY | TOTAL |
|------|----------------------|-------------------------|--------------|------|-------|-----|------|-------|-------|--------|------|--------|--------|
| 51 | COLA 62/75% + 3% PEN | 200(0)/300(E)--(0)--(0) | ACOL B | -115 | 268 | 9 | -16 | 0 | 146 | -4816 | 1933 | -2983 | -2737 |
| 52 | DEC 30% (1.75 MULT) | NONE | DMSH(ACOL B) | 2339 | -1143 | -11 | 80 | -2040 | -175 | -5043 | 0 | -5043 | -6118 |
| 53 | DEC 30% (1.75 MULT) | 210-60-100 | DMSH(ACOL B) | 2342 | -304 | -12 | 24 | -2040 | 561 | -4361 | 1841 | -2520 | -1959 |
| 54 | 3% PEN | NONE | DMSH(ACOL B) | 2494 | 559 | -11 | 57 | -2040 | 243 | -4465 | 0 | -4465 | -4222 |
| 55 | 3% PEN | 210--(0)--(0) | DMSH(ACOL B) | 2117 | -763 | -11 | 64 | -2040 | 623 | -3168 | 1498 | -1672 | -1049 |
| 56 | COLA 62/50% | NONE | DMSH(ACOL B) | 2203 | 315 | -11 | 27 | -2040 | -33 | -5717 | 0 | -5717 | -5750 |
| 57 | COLA 62/50% + 3% PEN | 160--40--50 | DMSH(ACOL B) | 2292 | -684 | -11 | 65 | -2040 | 494 | -4417 | 1319 | -3098 | -2604 |
| 58 | COLA 62/75% + 3% PEN | 200(0)/300(E)--(0)--(0) | DMSH(ACOL B) | 2174 | 426 | -11 | 19 | -2040 | 22 | -6813 | 0 | -6813 | -6791 |
| 59 | SS OFFSET=1.25%YR | NONE | ACOL A | 229 | -482 | 50 | 25 | 0 | -178 | -4449 | 0 | -4449 | -4627 |
| 60 | VEST 22.BEFORE SHIFT | NONE | ACOL A | -63 | 390 | 58 | 0 | 0 | 386 | -895 | 0 | -895 | -509 |
| 61 | VEST 24.BEFORE SHIFT | NONE | ACOL A | -92 | 899 | 41 | -5 | 0 | 843 | -735 | 0 | -735 | 708 |
| 62 | VEST 30.BEFORE SHIFT | NONE | ACOL A | 115 | 631 | 14 | 17 | 0 | 777 | -2246 | 0 | -2246 | -1469 |
| 63 | VEST 22.AFTER SHIFT | NONE | ACOL A | 671 | -1496 | -3 | 66 | 0 | -762 | -6758 | 0 | -6758 | -7520 |
| 64 | VEST 24.AFTER SHIFT | NONE | ACOL A | 1028 | -2118 | -27 | 92 | 0 | -1025 | -8812 | 0 | -8812 | -937 |
| 65 | VEST 30.AFTER SHIFT | NONE | ACOL A | 1598 | -2850 | -64 | 125 | 0 | -1191 | -10824 | 0 | -10824 | -12015 |
| 66 | RMA | NONE | ACOL A | 234 | -490 | -27 | 22 | 0 | -261 | -3609 | 0 | -3609 | -3370 |
| 67 | USRBA W/O LOAN | NONE | ACOL A | 281 | -548 | -27 | 25 | 0 | -269 | -3421 | 0 | -3421 | -3690 |
| 68 | USRBA WITH LOAN | LOAN OPTION | ACOL A | -75 | 94 | -2 | -6 | 0 | 11 | -2413 | 1126 | -1287 | -1278 |
| 69 | PPSSCC OSD 243 | NONE | ACOL A | 633 | -1353 | 6 | 64 | 0 | -650 | -11694 | 0 | -11694 | -12344 |
| 70 | PPSSCC USAF 1.9% | NONE | ACOL A | 1076 | -1840 | -18 | 87 | 0 | -695 | -12061 | 0 | -12061 | -12756 |

L-B-163
ATCH 4

SERVICE: DOD COMMUNITY: BOTH

REF: OPTION: RETIREMENT

REALLOCATION
OPTION:

% DELTAS FROM CASE 2

| | SOURCE: | CASH | MAINT | S&I | LOSS | FIXED | FORCE | RENT | EW | TOTAL | TOTAL |
|----|----------------------|------|-------|------|------|-------|-------|-------|-------|-------|-------|
| 2 | TERM PAY | 5458 | 34963 | 1420 | 584 | 2040 | 44465 | 15159 | 0 | 15159 | 59624 |
| 3 | HIGH 3 | 1 | -1 | 1 | 1 | 0 | 0 | -6 | 0 | -6 | -2 |
| 4 | DEC 10% | 4 | -2 | 5 | 4 | 0 | -1 | -20 | 0 | -20 | -5 |
| 5 | DEC 20% | 8 | -3 | 3 | 7 | 0 | -1 | -33 | 0 | -33 | -9 |
| 6 | DEC 20% 150--30--70 | 6 | 0 | 6 | 0 | 0 | 0 | -23 | ***** | -23 | -4 |
| 7 | DEC 30% | 11 | -4 | 2 | 9 | 0 | -1 | -45 | 0 | -45 | -12 |
| 8 | DEC 30% | 2 | -1 | 6 | 2 | 0 | -1 | -34 | ***** | -34 | -7 |
| 9 | DEC 30% | -1 | 0 | 6 | -1 | 0 | 0 | -32 | ***** | -32 | -5 |
| 10 | DEC 40% | 15 | -5 | 1 | 12 | 0 | -2 | -56 | 0 | -56 | -15 |
| 11 | DEC 50% | 18 | -5 | 0 | 14 | 0 | -2 | -65 | 0 | -65 | -18 |
| 12 | 12% PENALTY | 3 | -1 | 4 | 3 | 0 | 0 | -15 | 0 | -15 | -4 |
| 13 | 12% PEN | -1 | 0 | 6 | -1 | 0 | 0 | -10 | ***** | -10 | -1 |
| 14 | 22% PEN | 5 | -2 | 3 | 5 | 0 | 0 | -24 | 0 | -24 | -7 |
| 15 | 22% PEN | -1 | 0 | 6 | -1 | 0 | 0 | -15 | ***** | -15 | -2 |
| 16 | 32% PEN | 6 | -2 | 2 | 6 | 0 | -1 | -31 | 0 | -31 | -8 |
| 17 | 32% PEN | -2 | -2 | 6 | -1 | 0 | 0 | -20 | ***** | -20 | -3 |
| 18 | 42% PEN | 6 | -2 | 2 | 6 | 0 | -1 | -39 | 0 | -39 | -10 |
| 19 | 42% PEN | -14 | -2 | 6 | -4 | 0 | -1 | -24 | ***** | -24 | -4 |
| 20 | 52% PEN | 6 | -2 | 2 | 6 | 0 | 0 | -40 | 0 | -40 | -11 |
| 21 | 62% PEN | 6 | -2 | 2 | 5 | 0 | 0 | -43 | 0 | -43 | -11 |
| 22 | 62% PEN | -8 | 3 | 7 | -6 | 0 | 2 | -28 | ***** | -28 | -1 |
| 23 | COLA 30/90% | 2 | -1 | 5 | 2 | 0 | 0 | -10 | 0 | -10 | -3 |
| 24 | COLA 30/75% | 3 | -1 | 5 | 3 | 0 | 0 | -17 | 0 | -17 | -4 |
| 25 | COLA 30/67% | 3 | -1 | 4 | 3 | 0 | 0 | -20 | 0 | -20 | -5 |
| 26 | COLA 30/50% | 5 | -2 | 4 | 4 | 0 | -1 | -26 | 0 | -26 | -7 |
| 27 | COLA 30/33% | 7 | -2 | 3 | 7 | 0 | -1 | -32 | 0 | -32 | -9 |
| 28 | COLA 30/0% | 2 | -1 | 5 | 2 | 0 | 0 | -41 | 0 | -41 | -11 |
| 29 | COLA 62/75% | 4 | -2 | 4 | 4 | 0 | -1 | -16 | 0 | -16 | -4 |
| 30 | COLA 62/90% | 5 | -2 | 4 | 5 | 0 | -1 | -27 | 0 | -27 | -7 |
| 31 | COLA 62/67% | 7 | -3 | 4 | 7 | 0 | -1 | -31 | 0 | -31 | -8 |
| 32 | COLA 62/50% | -1 | 0 | 6 | -1 | 0 | 0 | -41 | 0 | -41 | -11 |
| 33 | COLA 62/33% | 9 | -3 | 3 | 8 | 0 | -1 | -31 | ***** | -31 | -6 |
| 34 | COLA 62/0% | 12 | -4 | 3 | 10 | 0 | -1 | -49 | 0 | -49 | -13 |
| 35 | COLA LIFE/75% | 5 | -2 | -1 | 5 | 0 | -1 | -61 | 0 | -61 | -17 |
| 36 | COLA LIFE/50% | 8 | -3 | -2 | 8 | 0 | -1 | -29 | 0 | -29 | -8 |
| 37 | COLA LIFE/25% | 11 | -4 | -3 | 10 | 0 | -2 | -45 | 0 | -45 | -12 |
| 38 | COLA LIFE/0% | 14 | -4 | -4 | 12 | 0 | -2 | -57 | 0 | -57 | -16 |
| 39 | COLA 62/75% + 3% PEN | 8 | -3 | 2 | 8 | 0 | -1 | -66 | 0 | -66 | -18 |
| 40 | COLA 62/75% + 3% PEN | -1 | 0 | 6 | -1 | 0 | 0 | -45 | ***** | -45 | -12 |
| 41 | COLA 62/75% + 3% PEN | 51 | -2 | -1 | 8 | 0 | 5 | -35 | 0 | -35 | -5 |
| 42 | HIGH 3 | 11 | -4 | 0 | 10 | 0 | -2 | -45 | 0 | -45 | -8 |
| 43 | DEC 30% (1.75 MULT) | -2 | -1 | 0 | 2 | 0 | 0 | -5 | 0 | -5 | -2 |
| 44 | DEC 30% (1.75 MULT) | 4 | -1 | -2 | 4 | 0 | 0 | -31 | ***** | -31 | -5 |
| 45 | 3% PEN | -4 | -1 | 0 | -3 | 0 | 0 | -29 | 0 | -29 | -8 |
| 46 | COLA 62/50% | 8 | -3 | -2 | 8 | 0 | -1 | -18 | ***** | -18 | -2 |
| 47 | COLA 62/50% | -2 | 0 | 0 | -1 | 0 | 0 | -10 | 0 | -10 | -5 |
| 48 | COLA 62/50% + 3% PEN | 7 | -2 | 0 | 7 | 0 | -1 | -30 | ***** | -30 | -11 |
| 49 | COLA 62/75% + 3% PEN | 7 | -2 | -3 | 7 | 0 | -1 | -44 | 0 | -44 | -12 |

J-B-164
ATCH 4

SERVICE: DOD COMMUNITY: BOTH

REF: RETIREMENT OPTION: REALLOCATION OPTION: % DELTAS FROM CASE 2

| REF | RETIREMENT OPTION | REALLOCATION OPTION | SOURCE | GAIN | MAINT | S&I | LOSS | FIXED | FORCE | REHMT | EW TOTRET | TOTAL |
|-----|-----------------------|---------------------|--------------|------|-------|-----|------|-------|-------|-------|-----------|-------|
| 51 | COLA 62/75% + 3% PEN | 200(O)/300(E)--0--0 | ACOL B | -2 | 1 | 1 | -3 | 0 | 0 | -32 | ***** | -19 |
| 52 | DEC 30% (1.75 MULT) | NONE | DHSM(ACOL B) | 54 | -3 | -1 | 14 | -100 | 0 | -39 | 0 | -5 |
| 53 | DEC 30% (1.75 MULT) | 210-60-100 | DHSM(ACOL B) | 40 | 1 | -1 | 4 | -100 | 1 | -29 | ***** | -10 |
| 54 | 3% PEN | NONE | DHSM(ACOL B) | 47 | -1 | -1 | 10 | -100 | 1 | -29 | 0 | -3 |
| 55 | 3% PEN | 210--0--0 | DHSM(ACOL B) | 38 | 2 | -1 | 4 | -100 | 1 | -21 | ***** | -7 |
| 56 | COLA 62/50% | NONE | DHSM(ACOL B) | 50 | -2 | -1 | 11 | -100 | 0 | -38 | 0 | -2 |
| 57 | COLA 62/50% | 160--40--50 | DHSM(ACOL B) | 40 | 1 | -1 | 5 | -100 | 1 | -29 | ***** | -10 |
| 58 | COLA 62/75% + 3% PEN | NONE | DHSM(ACOL B) | 49 | -2 | -1 | 11 | -100 | 0 | -45 | 0 | -4 |
| 59 | COLA 62/75% + 3% PEN | 200(O)/300(E)--0--0 | DHSM(ACOL B) | 40 | 1 | -1 | 3 | -100 | 1 | -33 | ***** | -11 |
| 60 | SS OFFSET 1.25%YR | NONE | ACOL A | 4 | -1 | 4 | 4 | 0 | 0 | -29 | 0 | -4 |
| 61 | VEST 22, BEFORE SHIFT | NONE | ACOL A | -1 | 1 | 4 | 0 | 0 | 1 | -6 | 0 | -1 |
| 62 | VEST 24, BEFORE SHIFT | NONE | ACOL A | -2 | 3 | 3 | -1 | 0 | 2 | -5 | 0 | 0 |
| 63 | VEST 30, BEFORE SHIFT | NONE | ACOL A | 12 | 2 | 1 | 3 | 0 | 2 | -15 | 0 | -2 |
| 64 | VEST 22, AFTER SHIFT | NONE | ACOL A | 19 | -4 | 0 | 11 | 0 | -2 | -45 | 0 | -13 |
| 65 | VEST 24, AFTER SHIFT | NONE | ACOL A | 29 | -6 | -2 | 16 | 0 | -2 | -58 | 0 | -16 |
| 66 | VEST 30, AFTER SHIFT | NONE | ACOL A | 4 | -1 | -5 | 21 | 0 | -3 | -71 | 0 | -20 |
| 67 | RMA | NONE | ACOL A | 5 | -2 | -2 | 4 | 0 | -1 | -24 | 0 | -6 |
| 68 | USRBA W/O LOAN | NONE | ACOL A | -1 | -2 | -2 | 4 | 0 | -1 | -23 | 0 | -6 |
| 69 | USRBA WITH LOAN | LOAN OPTION | ACOL A | 12 | 0 | 0 | -1 | 0 | 0 | -16 | ***** | -2 |
| 70 | PPSSCC OSD 24B | NONE | ACOL A | 20 | -4 | 0 | 11 | 0 | -1 | -77 | 0 | -21 |
| 71 | PPSSCC USAF 1.9% | NONE | ACOL A | 20 | -5 | -1 | 15 | 0 | -2 | -80 | 0 | -21 |

L-B-165
ATCH 4

C. FORCE DATA. The following are additional force data in support of the analysis contained in Chapter XI. They provide a more detailed insight into the effects of the four retirement alternatives with respect to costs and force profiles. Tables L.C.1 through L.C.4 provide a comparison of the strength changes, as measured from the seven year average force levels, of the four retirement alternatives with early retirement fund withdrawal options. Table L.C.5 is a more comprehensive comparison of the alternatives, as measured from the seven year average force levels of each of the retirement alternatives. They are displayed using four methods of analysis: (1) a pure reduction without a redistribution of compensation (root); (2) using a restoral (a benefit at 30 years of service for the multiplier or a restoral at age 62 for cost of living adjustments); (3) the use of an early retirement fund withdrawal expressed as a percentage of base pay; and (4) increases to current compensation in bonus form (separate from basic pay) by either a flat percentage increase or a tapered percentage increase.

Figures L.C.1 through L.C.20 provide a graphic display of the retirement alternative force profiles for each service for officers and enlisted and at the DoD aggregate level. Figures L.C.21 through L.C.28 show the effects on the force levels due to the retirement option. These figures allow a comparison to be made by accession, mid career force (5-20 YOS), career force (5-30 YOS) and late career force (21-30 YOS) force levels. The data is also displayed using three percent, ten percent and tapered percentage personnel discount rates (PDR) to demonstrate the sensitivity of the PDR.

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Table L.C.1
Force and Cost Considerations

ALTERNATIVE

Reduce annual COLA adjustment to 50% of CPI vice 100% until age 62. Allows early retirement fund with-
drawals of 1.6 times annual basic pay at end of 20 YOS, 0.4 times at 23rd year and 0.5 times at 27th year.

FORCE IMPACT (%)

| | (YOS) | ARMY | | NAVY | | MARINES | | AIR FORCE | | DoD | |
|------------------|------------|-------|--------|-------|--------|---------|-------|-----------|--------|--------|--------|
| | | OFF | ENL | OFF | ENL | OFF | ENL | OFF | ENL | OFF | ENL |
| ACCESSIONS | (0) | - 255 | - 1478 | - 175 | - 208 | - 34 | - 232 | - 120 | - 660 | - 584 | - 2578 |
| CAREER FORCE | (5-30+) | + 755 | - 3412 | + 575 | + 556 | + 110 | + 612 | + 365 | + 2118 | + 1805 | + 6698 |
| EARLY/MID CAREER | (5-20) | + 111 | + 5092 | - 72 | + 1306 | - 29 | + 439 | - 391 | + 3628 | + 459 | +10465 |
| LATE CAREER | (21-30+) | + 644 | - 1680 | + 647 | - 750 | + 81 | + 173 | - 26 | - 1510 | + 1346 | - 3767 |

PERCENTAGE CHANGE

| | (YOS) | ARMY | | NAVY | | MARINES | | AIR FORCE | | DoD | |
|------------------|-----------|-------|-------|--------|-------|---------|-------|-----------|-------|-------|-------|
| | | OFF | ENL | OFF | ENL | OFF | ENL | OFF | ENL | OFF | ENL |
| ACCESSIONS | (0) | - 2.7 | - 1.1 | - 2.9 | - 0.2 | - 2.0 | - 0.6 | - 1.4 | - 0.9 | - 2.3 | - 0.8 |
| CAREER FORCE | (5-30+) | + 1.3 | + 1.2 | + 1.4 | + 0.3 | + 1.0 | + 1.2 | + 0.5 | + 0.9 | + 1.0 | + 0.9 |
| EARLY/MID CAREER | (5-20) | + 0.2 | + 1.9 | - 0.2 | + 0.7 | + 0.3 | + 0.8 | + 0.6 | + 1.7 | + 0.3 | + 1.5 |
| LATE CAREER | (21-30) | + 9.9 | - 8.5 | + 12.4 | - 6.4 | + 7.7 | + 4.9 | - 0.3 | - 7.5 | + 6.4 | - 6.8 |

Table L.C.2
Force and Cost Considerations

ALTERNATIVE

Reduce Multiplier to 1.75% vice 2.5% of basic pay per years of service. Allows early retirement fund withdrawals of 2.0 times annual basic pay at end of 20 YOS, 0.6 times at 23rd year and 1.0 at 27th year.

FORCE IMPACT

| (YOS) | ARMY
OFF / ENL | NAVY
OFF / ENL | MARINES
OFF / ENL | AIR FORCE
OFF / ENL | DoD
OFF / ENL |
|---------------------------|-------------------|-------------------|----------------------|------------------------|------------------|
| ACCESSIONS (0) | - 276 / -2916 | - 207 / - 574 | - 46 / - 474 | - 117 / -1550 | - 646 / - 5514 |
| CAREER FORCE (5-30+) | + 801 / +7276 | + 676 / +1675 | + 152 / +1305 | + 334 / +5104 | + 1963 / +15360 |
| EARLY/MID CAREER (5-20) | + 385 / +5826 | + 23 / + 767 | + 41 / +1048 | + 750 / +3251 | + 1199 / +10892 |
| LATE CAREER (21-30) | + 416 / +1450 | + 653 / + 908 | + 111 / + 257 | - 416 / +1853 | + 764 / + 4468 |

PERCENTAGE CHANGE

| (YOS) | ARMY
OFF / ENL | NAVY
OFF / ENL | MARINES
OFF / ENL | AIR FORCE
OFF / ENL | DoD
OFF / ENL |
|---------------------------|-------------------|-------------------|----------------------|------------------------|------------------|
| ACCESSIONS (0) | - 3.0 / - 2.2 | - 3.4 / - 0.6 | - 2.6 / - 1.2 | - 1.4 / - 2.2 | - 2.5 / - 1.7 |
| CAREER FORCE (5-30+) | + 1.4 / + 2.5 | + 1.7 / + 0.9 | + 1.4 / + 2.5 | + 0.5 / + 2.1 | + 1.1 / + 2.0 |
| EARLY/MID CAREER (5-20) | + 0.8 / + 2.2 | + 0.1 / + 0.4 | + 0.4 / + 2.1 | + 1.2 / + 1.5 | + 0.8 / + 1.5 |
| LATE CAREER (21-30) | + 6.4 / + 7.3 | + 12.5 / + 7.7 | + 10.5 / + 7.3 | - 5.1 / + 9.2 | + 3.6 / + 8.1 |

Table L.C.3
Force and Cost Considerations

ALTERNATIVE

Reduce Pre-30 YOS retiree benefit by 3% per year, i.e. 35% of basic pay at 20 YOS vice 50%.

Allows an early retirement fund withdrawal at end of 20th year of 2.1 times annual basic pay.

FORCE IMPACT

| | (YOS) | ARMY
OFF / ENL | NAVY
OFF / ENL | MARINES
OFF / ENL | AIR FORCE
OFF / ENL | DoD
OFF / ENL |
|------------------|-----------|-------------------|-------------------|----------------------|------------------------|------------------|
| ACCESSIONS | (0) | - 430 / -4194 | - 313 / -1183 | - 64 / - 770 | - 318 / -1927 | - 1125 / - 8074 |
| CAREER FORCE | (5-30+) | + 1310 / +10622 | + 1046 / +3550 | + 216 / +2189 | +1053 / +6370 | + 3625 / +22731 |
| EARLY/MID CAREER | (5-20) | - 97 / +7881 | - 373 / +1667 | - / +1175 | - 292 / +5372 | - 762 / +16095 |
| LATE CAREER | (21-30) | + 1407 / +2741 | + 1419 / +1883 | + 216 / +1014 | +1345 / + 998 | + 4387 / + 6636 |

PERCENTAGE CHANGE

| | (YOS) | ARMY
OFF / ENL | NAVY
OFF / ENL | MARINES
OFF / ENL | AIR FORCE
OFF / ENL | DoD
OFF / ENL |
|------------------|-----------|-------------------|-------------------|----------------------|------------------------|------------------|
| ACCESSIONS | (0) | - 4.6 / - 3.1 | - 5.1 / - 1.3 | - 3.7 / - 2.0 | - 3.7 / - 2.8 | - 4.4 / - 2.4 |
| CAREER FORCE | (5-30+) | + 2.3 / + 3.7 | + 2.6 / + 1.8 | + 2.0 / + 4.2 | + 1.5 / + 2.7 | + 2.1 / + 2.9 |
| EARLY/MID CAREER | (5-20) | - 0.2 / + 3.0 | - 1.1 / + 0.9 | - / + 2.4 | - 0.5 / + 2.4 | - 0.5 / + 2.2 |
| LATE CAREER | (21-30) | + 21.7 / +13.8 | + 27.2 / +16.1 | + 20.4 / +29.0 | + 16.4 / + 4.9 | + 20.9 / +12.0 |

Table L.C.4
Force and Cost Considerations

ALTERNATIVE

Reduces COLA adjustment to 75% until age 62, reduces PRE-30 YOS retiree benefit by 3% per year and allows an early retirement withdrawal of 2.0 times annual basic pay for officers and 3.0 times for enlisted of annual basic pay at end of 20 YOS.

FORCE IMPACT Restores about all losses including HI-3. Most like objective force.

| | (YOS) | ARMY | | NAVY | | MARINES | | AIR FORCE | | DoD | |
|------------------|-----------|-------|----------|-------|---------|---------|---------|-----------|---------|-------|----------|
| | | OFF | / ENL | OFF | / ENL | OFF | / ENL | OFF | / ENL | OFF | / ENL |
| ACCESSIONS | (0) | - 156 | / -4974 | - 128 | / -1666 | - 21 | / -1084 | - 46 | / -2054 | - 361 | / -9778 |
| CAREER FORCE | (5-30+) | + 441 | / +12617 | + 402 | / +5039 | + 64 | / +3115 | + 90 | / +6795 | + 997 | / +27566 |
| EARLY/MID CAREER | (5-20) | - 105 | / +12044 | - 408 | / +4966 | - 14 | / +2651 | - 176 | / +8223 | - 703 | / +27884 |
| LATE CAREER | (21-30) | + 546 | / + 573 | + 810 | / + 73 | + 78 | / + 464 | + 266 | / -1428 | +1700 | / - 318 |

PERCENTAGE CHANGE

| | (YOS) | ARMY | | NAVY | | MARINES | | AIR FORCE | | DoD | |
|------------------|-----------|-------|---------|--------|---------|---------|---------|-----------|---------|-------|---------|
| | | OFF | / ENL | OFF | / ENL | OFF | / ENL | OFF | / ENL | OFF | / ENL |
| ACCESSIONS | (0) | - 1.8 | / - 3.7 | - 2.1 | / - 1.9 | - 1.2 | / - 2.8 | - 0.5 | / - 2.9 | - 1.4 | / - 2.9 |
| CAREER FORCE | (5-30+) | + 0.8 | / + 4.4 | + 1.0 | / + 2.6 | + 0.8 | / + 5.9 | + 0.1 | / + 2.8 | + 0.6 | / + 3.6 |
| EARLY/MID CAREER | (5-20) | - 0.2 | / + 4.5 | - 1.2 | / + 2.7 | - 0.1 | / + 5.4 | - 0.3 | / + 3.7 | - 0.5 | / + 3.9 |
| LATE CAREER | (21-30) | + 8.4 | / + 2.9 | + 15.5 | / + 0.6 | + 7.4 | / +13.3 | + 3.2 | / - 7.1 | + 8.1 | / - 0.6 |

Table L.C.5
Strength Changes For Four Retirement Alternatives
(DoD Force Profile)

| Alternative | Current Compensation | | | | | | | | | | | |
|------------------|----------------------|---------|--|----------|---------|------------------|---------|---------|---------|---------|---------|--|
| | ROOT | | | RESTORAL | | Early Withdrawal | | Flat | | Taper | | |
| | OFF | ENL | | OFF | ENL | OFF | ENL | OFF | ENL | OFF | ENL | |
| 50% COLA | | | | | | | | | | | | |
| Until Age 62 | | | | | | | | | | | | |
| Accessions | + 2,150 | +21,317 | | + 857 | + 6,606 | - 584 | - 2,578 | + 665 | + 8,973 | - 347 | + 243 | |
| Career Force | - 7,303 | -63,845 | | - 2,888 | -49,935 | + 1,825 | + 6,698 | - 2,538 | -23,072 | + 910 | - 2,185 | |
| 5-20 YOS | - 2,472 | -36,567 | | - 1,428 | -28,405 | + 439 | +10,465 | - 793 | - 9,487 | - 632 | - 5,734 | |
| 21-30 YOS | - 5,163 | -27,167 | | - 1,941 | -21,529 | + 435 | - 4,255 | - 2,516 | -13,701 | + 168 | - 5,569 | |
| 31+ YOS | + 332 | - 151 | | + 481 | - 1 | + 911 | + 488 | + 771 | + 126 | + 1,574 | + 47 | |
| 1.75% Multiplier | | | | | | | | | | | | |
| Accessions | + 3,472 | +29,281 | | + 1,916 | +11,817 | - 646 | - 5,514 | + 1,492 | +13,947 | + 179 | + 3,079 | |
| Career Force | -11,744 | -87,477 | | - 6,727 | -35,472 | + 1,963 | +15,360 | - 5,430 | -43,073 | - 962 | -10,890 | |
| 5-20 YOS | - 2,592 | -11,497 | | - 4,564 | -50,381 | + 1,119 | +10,892 | - 124 | -16,684 | + 506 | + 4,122 | |
| 21-30 YOS | - 8,622 | -34,675 | | - 3,359 | +13,653 | + 246 | + 4,044 | - 5,525 | -26,240 | - 2,244 | -15,294 | |
| 31+ YOS | - 130 | - 305 | | + 1,176 | + 1,256 | + 518 | + 424 | + 219 | - 149 | + 772 | + 270 | |
| 3% Pre-30 YOS | | | | | | | | | | | | |
| Accessions | + 1,261 | +13,548 | | + 796 | + 9,282 | - 1,125 | - 8,074 | - 706 | -5,446 | - 2,051 | -20,229 | |
| Career Force | - 4,381 | -41,146 | | - 2,722 | -28,150 | + 3,625 | +22,731 | + 2,039 | +14,510 | + 6,693 | +51,197 | |
| 5-20 YOS | - 4,820 | -25,788 | | - 5,446 | -35,296 | - 762 | +16,095 | - 3,201 | - 2,652 | - 3,479 | +15,512 | |
| 21-30 YOS | - 528 | - 4,839 | | + 1,857 | + 6,599 | + 3,141 | + 5,955 | + 3,431 | +15,030 | + 7,241 | +29,574 | |
| 31+ YOS | + 967 | + 481 | | + 867 | + 547 | + 1,246 | + 681 | + 1,810 | + 1,532 | + 2,928 | + 3,511 | |
| 75% COLA Until | | | | | | | | | | | | |
| Age 62 Plus | | | | | | | | | | | | |
| -3% Pre-30 YOS | | | | | | | | | | | | |
| Accessions | + 2,056 | +20,854 | | + 1,240 | +14,534 | - 361 | - 9,778 | - 464 | - 2,468 | - 2,154 | -20,834 | |
| Career Force | - 7,105 | -62,864 | | - 4,249 | -43,855 | + 997 | +27,566 | + 1,112 | + 5,371 | + 6,949 | +40,471 | |
| 5-20 YOS | - 4,848 | -48,905 | | - 5,668 | -42,847 | - 703 | +27,884 | - 2,538 | - 4,896 | - 2,934 | -18,198 | |
| 21-30 YOS | - 3,117 | -14,247 | | + 477 | - 1,528 | + 542 | - 845 | + 1,717 | + 8,716 | + 6,449 | +31,462 | |
| 31+ YOS | + 860 | + 288 | | + 942 | + 520 | + 1,158 | + 527 | + 1,943 | + 1,551 | + 3,461 | + 4,414 | |

Figure L-C-1
DOD OFFICER STRENGTH
5 - 30 YOS

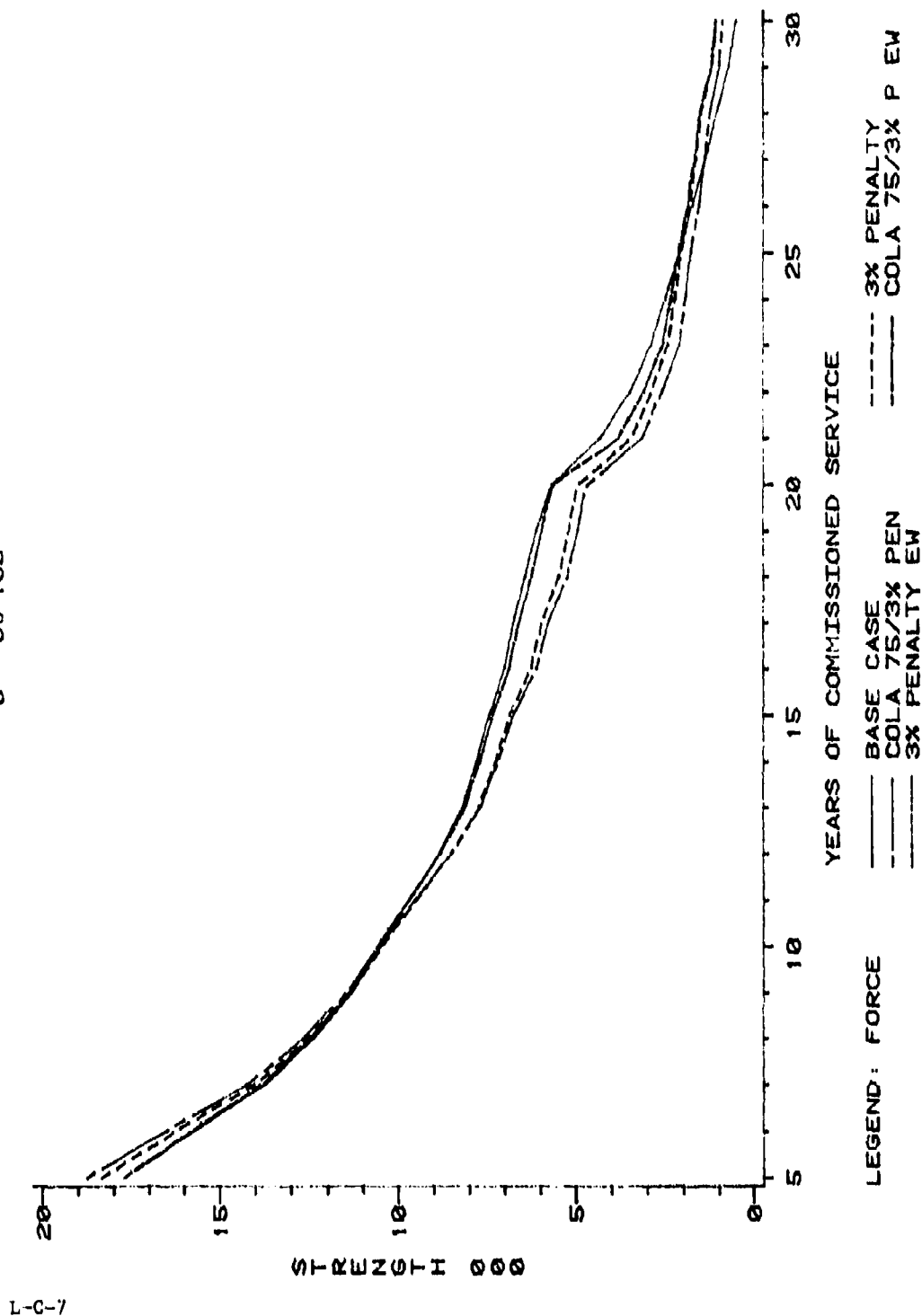


Figure L-C-2
ARMY OFFICER STRENGTH
 5 - 30 YOS

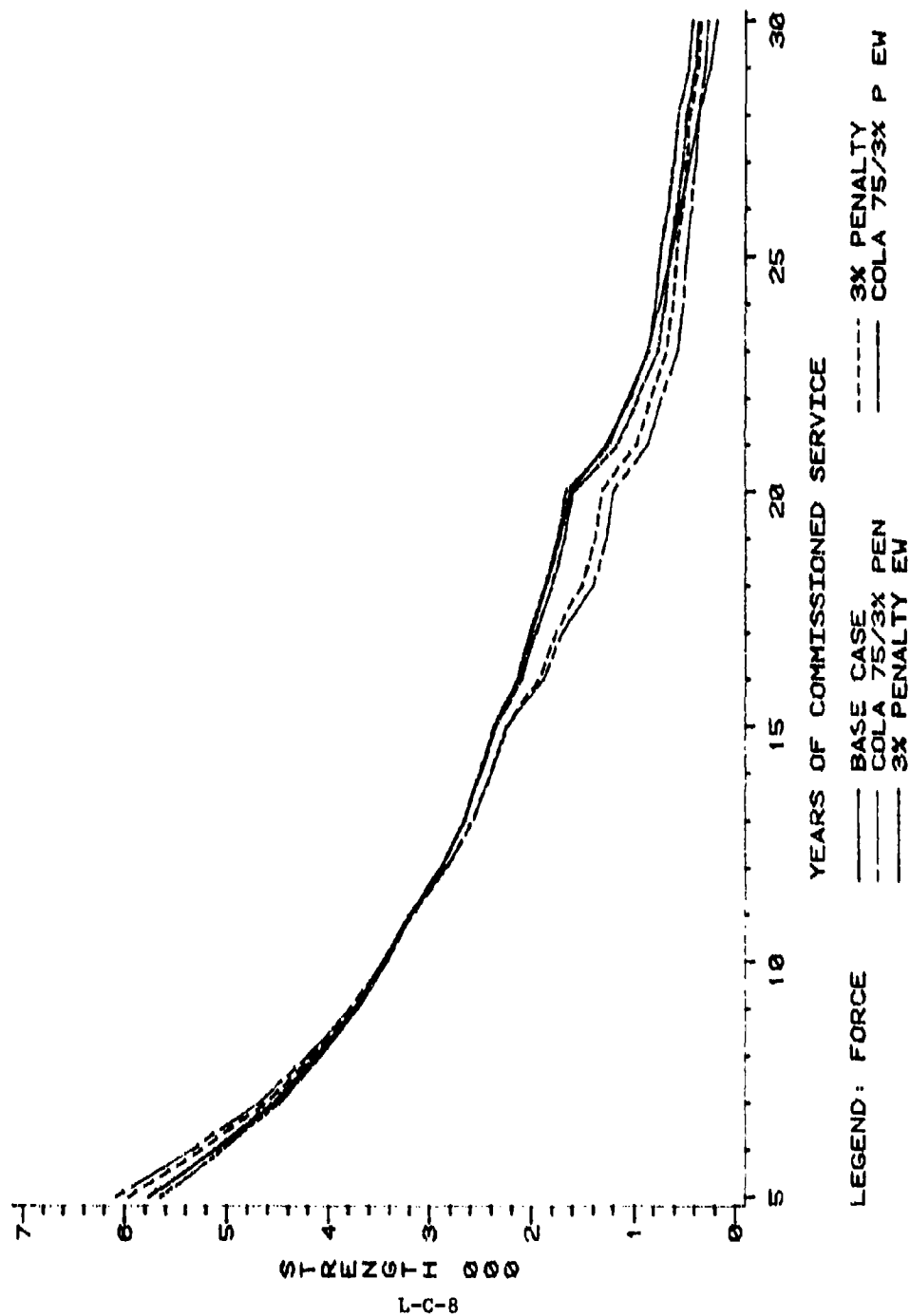


Figure L-C-3
NAVY OFFICER STRENGTH
5 - 30 YOS

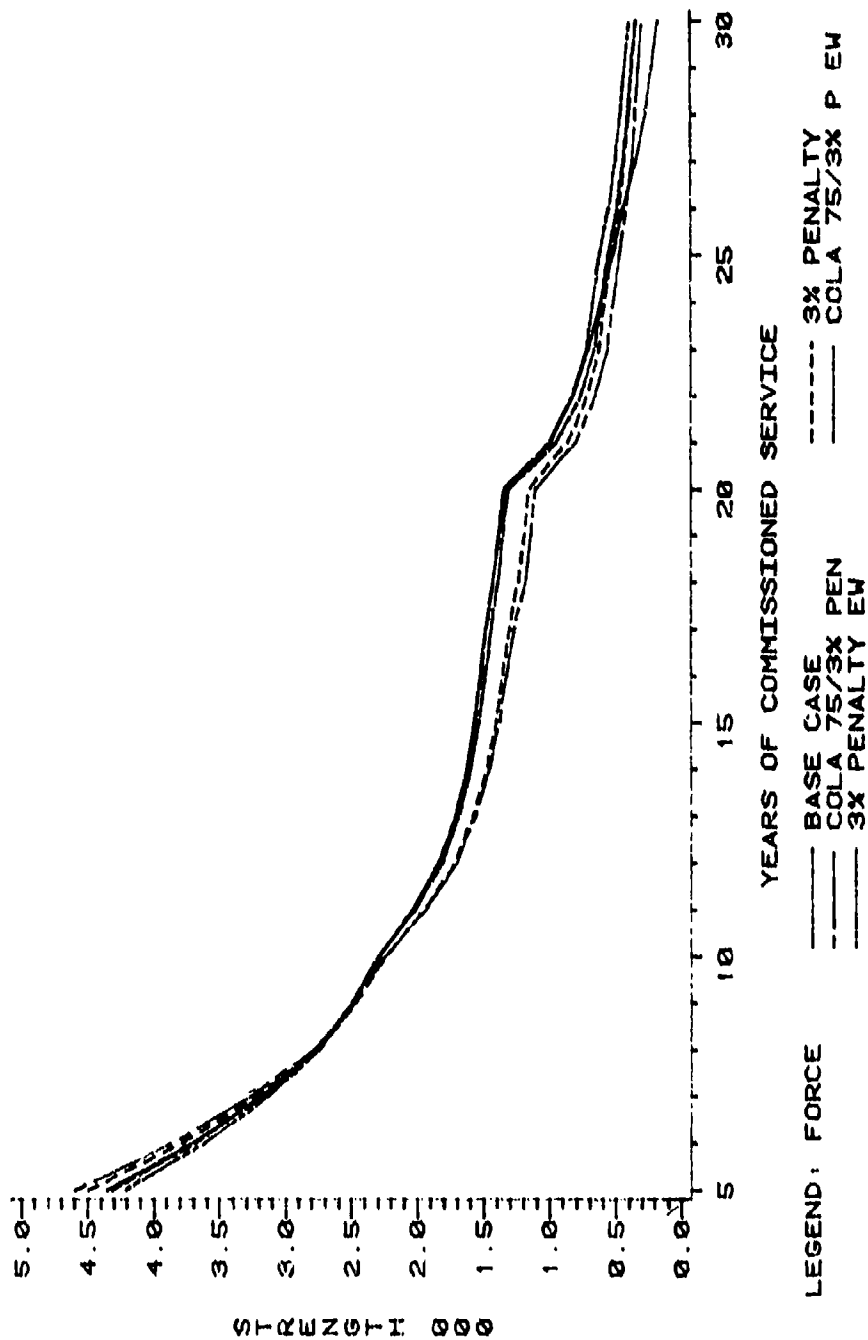
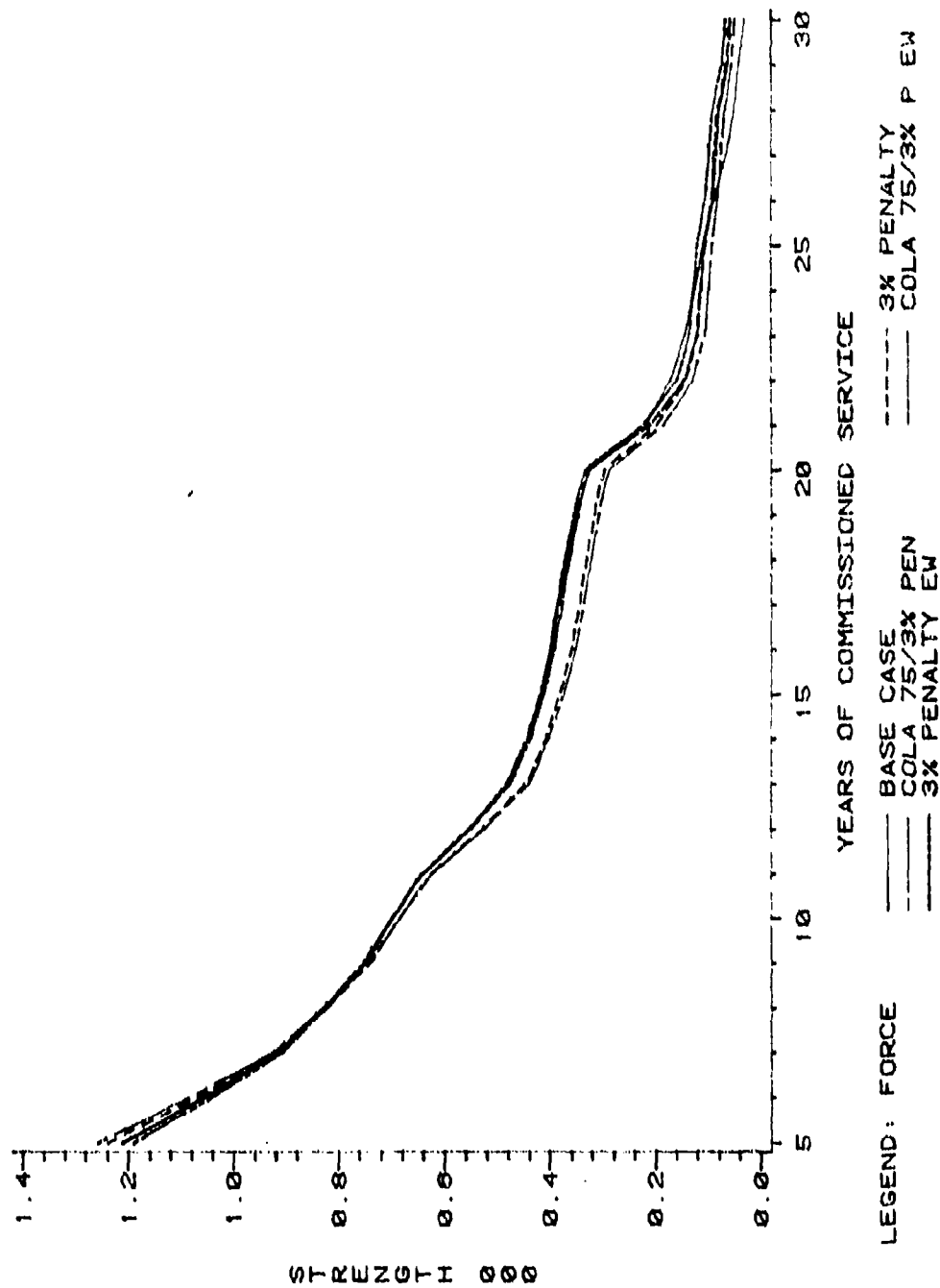
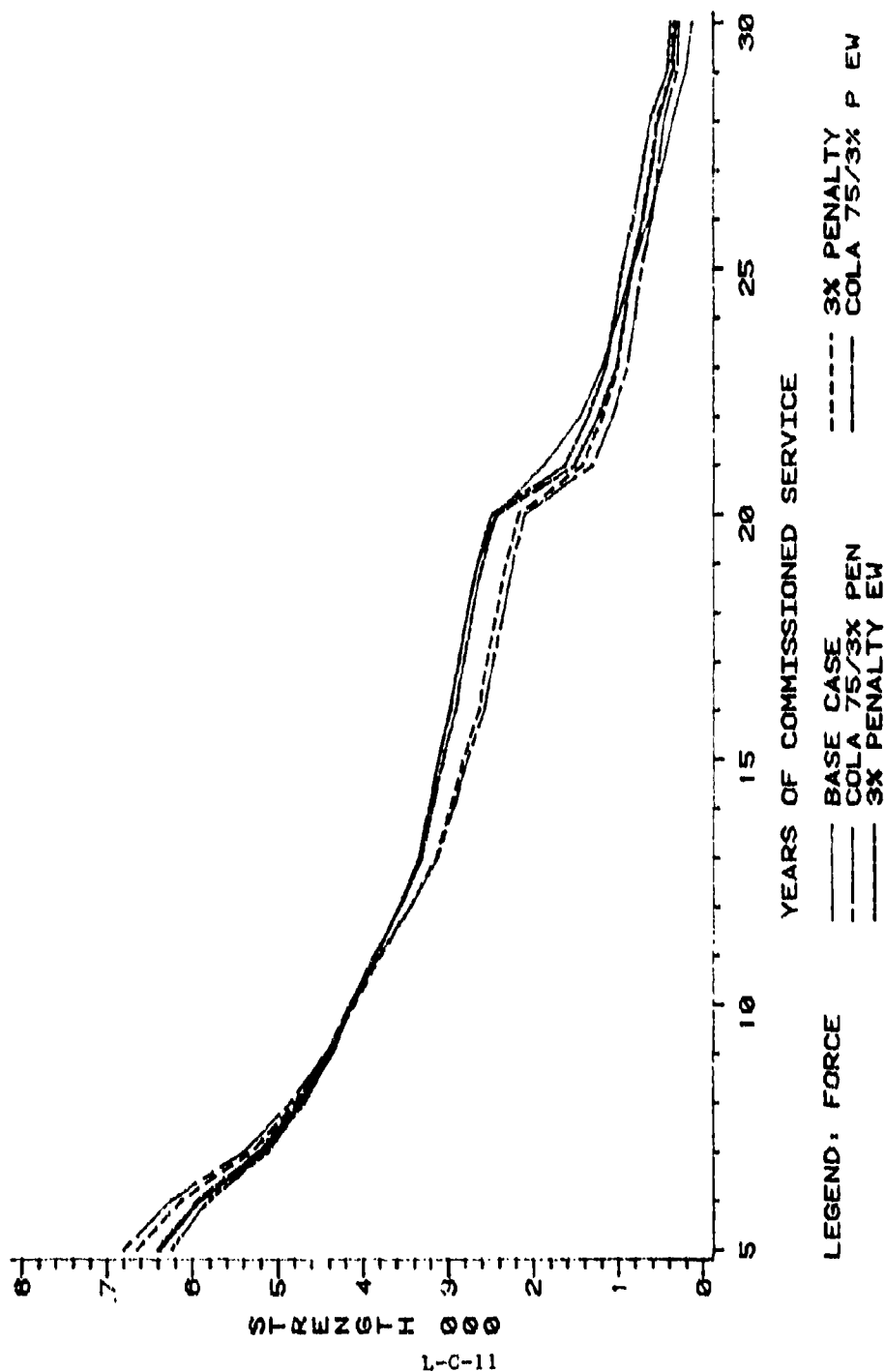


Figure L-C-4
USMC OFFICER STRENGTH
5 - 30 YOS



L-C-10

Figure L-C-5
 USAF OFFICER STRENGTH
 5 - 30 YOS



DOD OFFICER STRENGTH 5 - 30 YOS

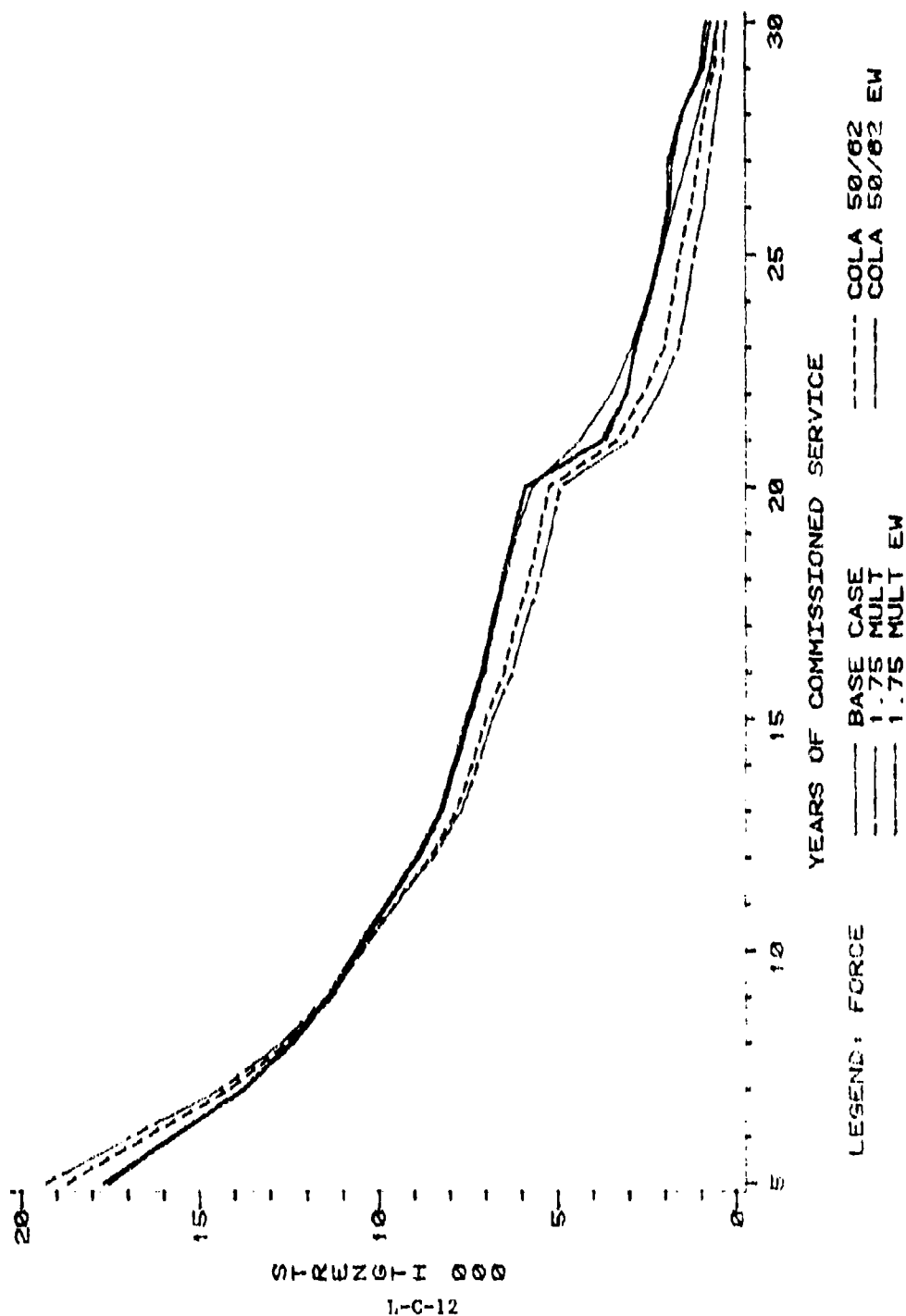


Figure L-C-7
ARMY OFFICER STRENGTH
5 - 30 YOS

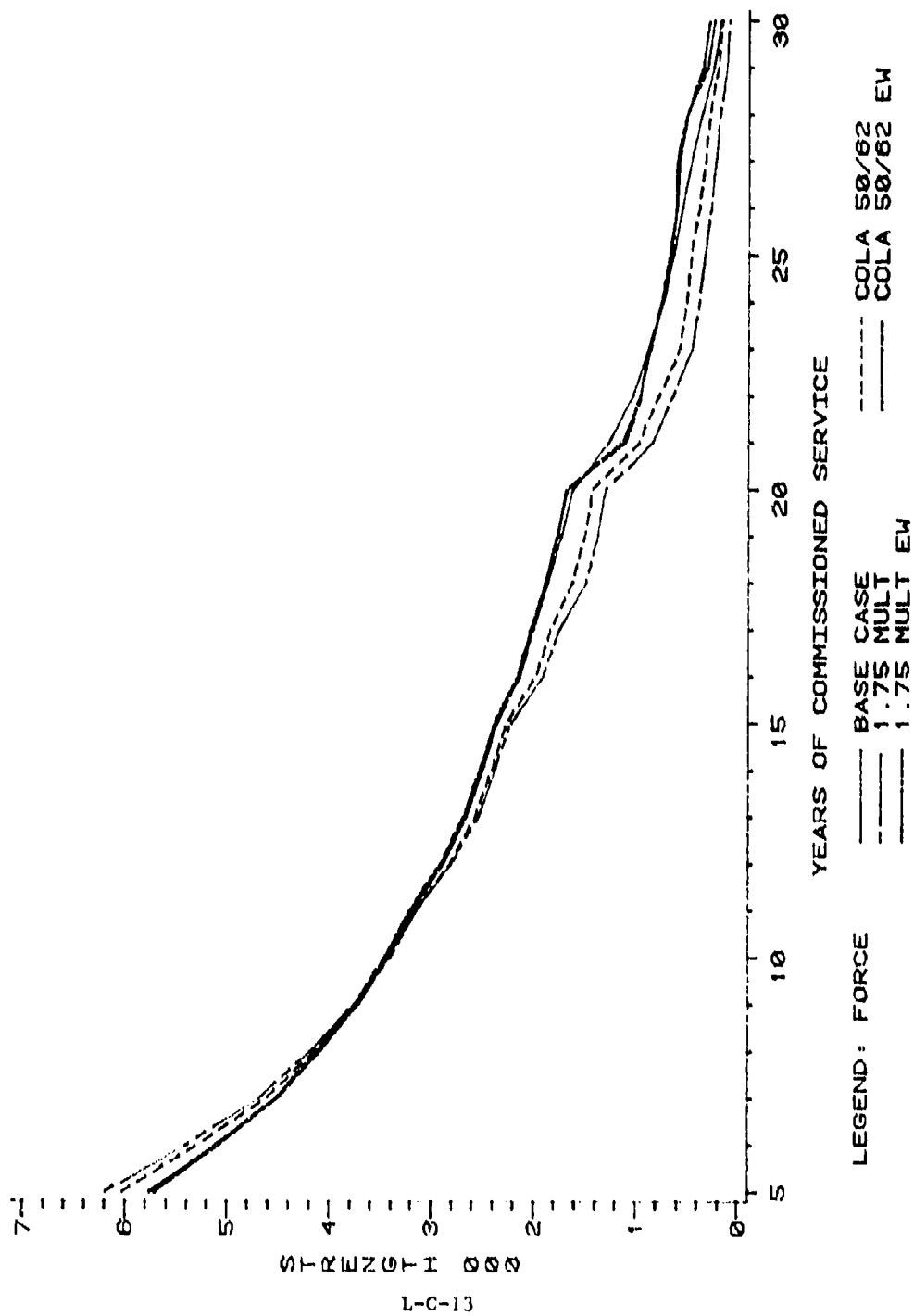
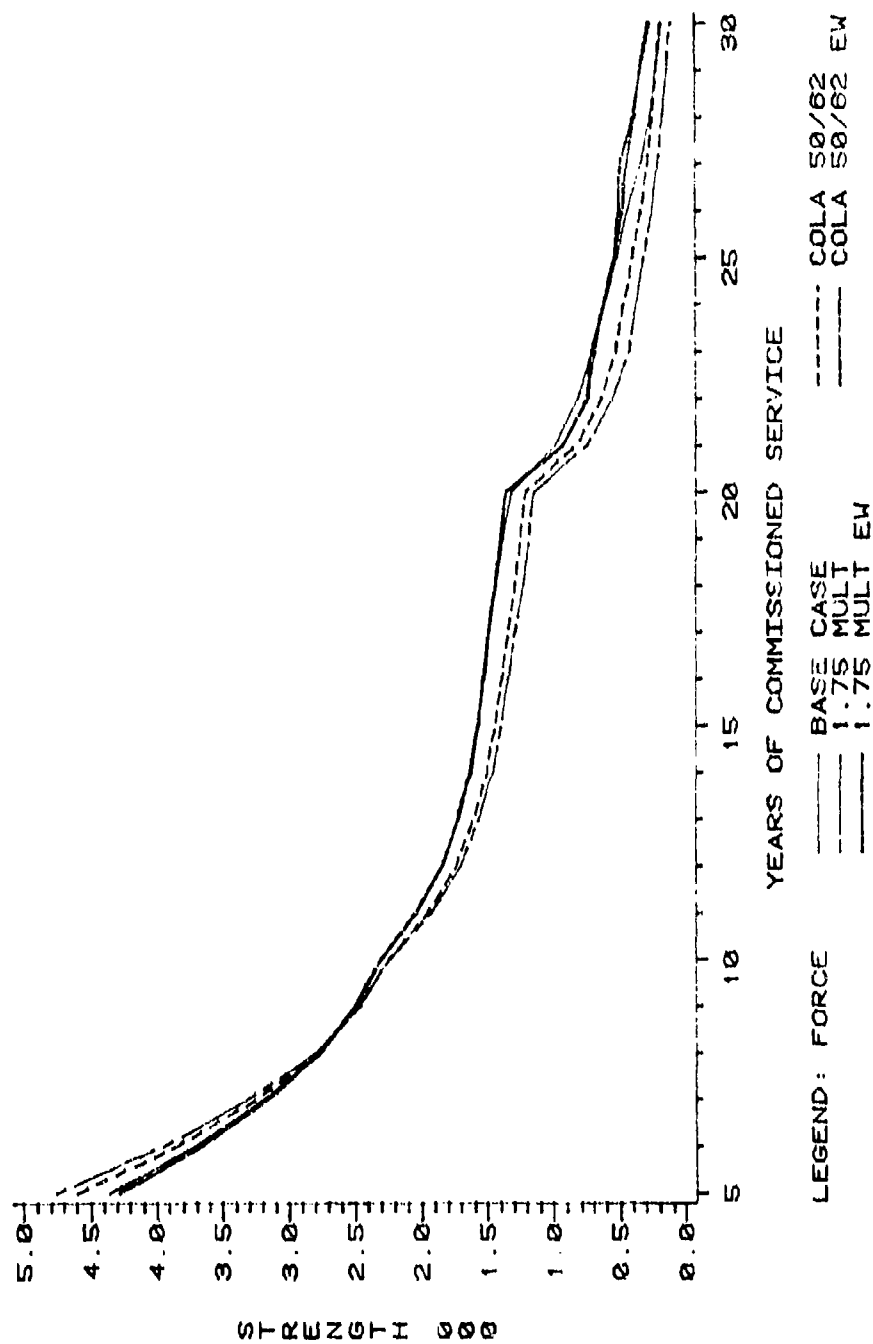
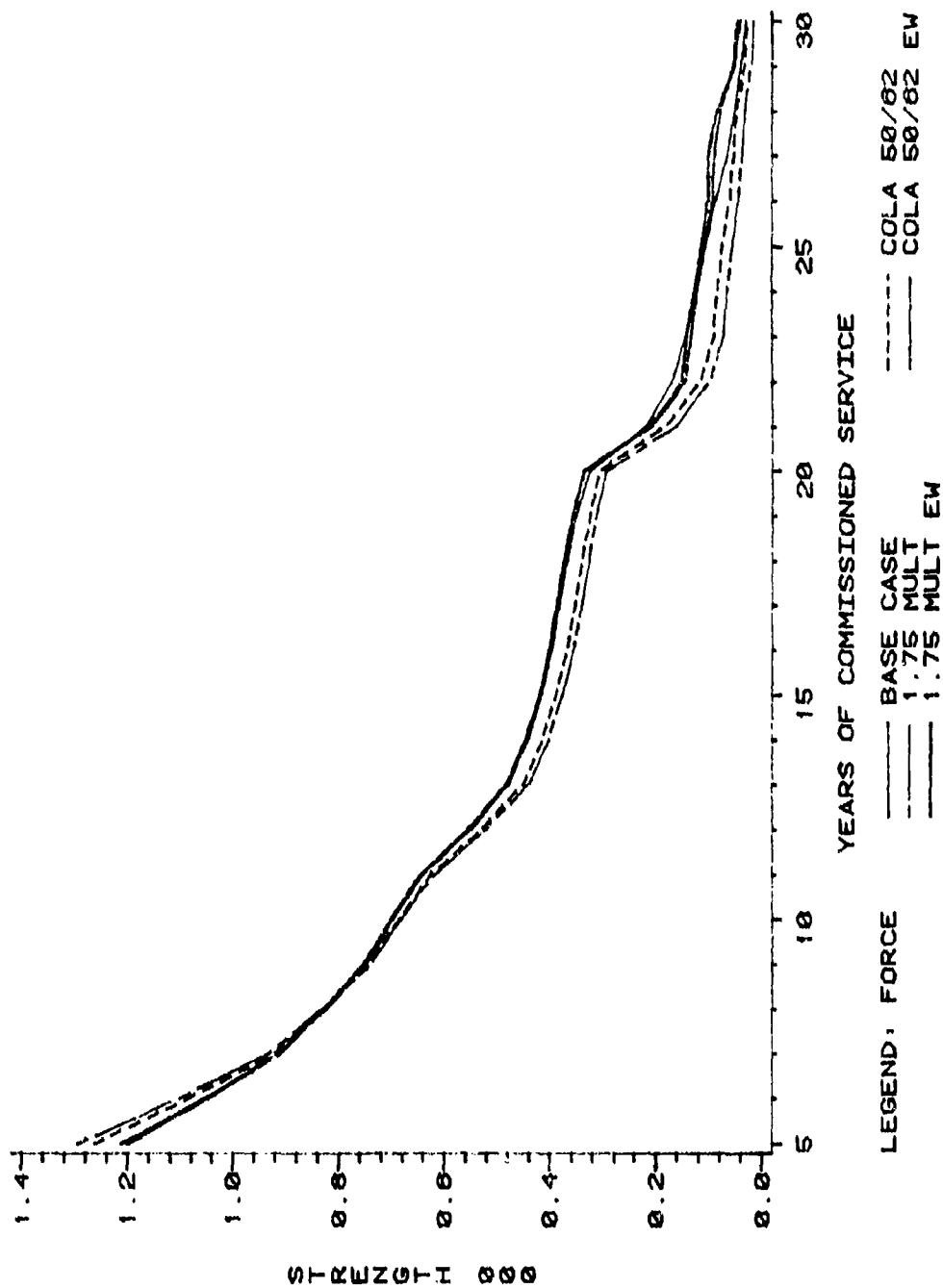


Figure L-C-8
NAVY OFFICER STRENGTH
5 - 30 YOS



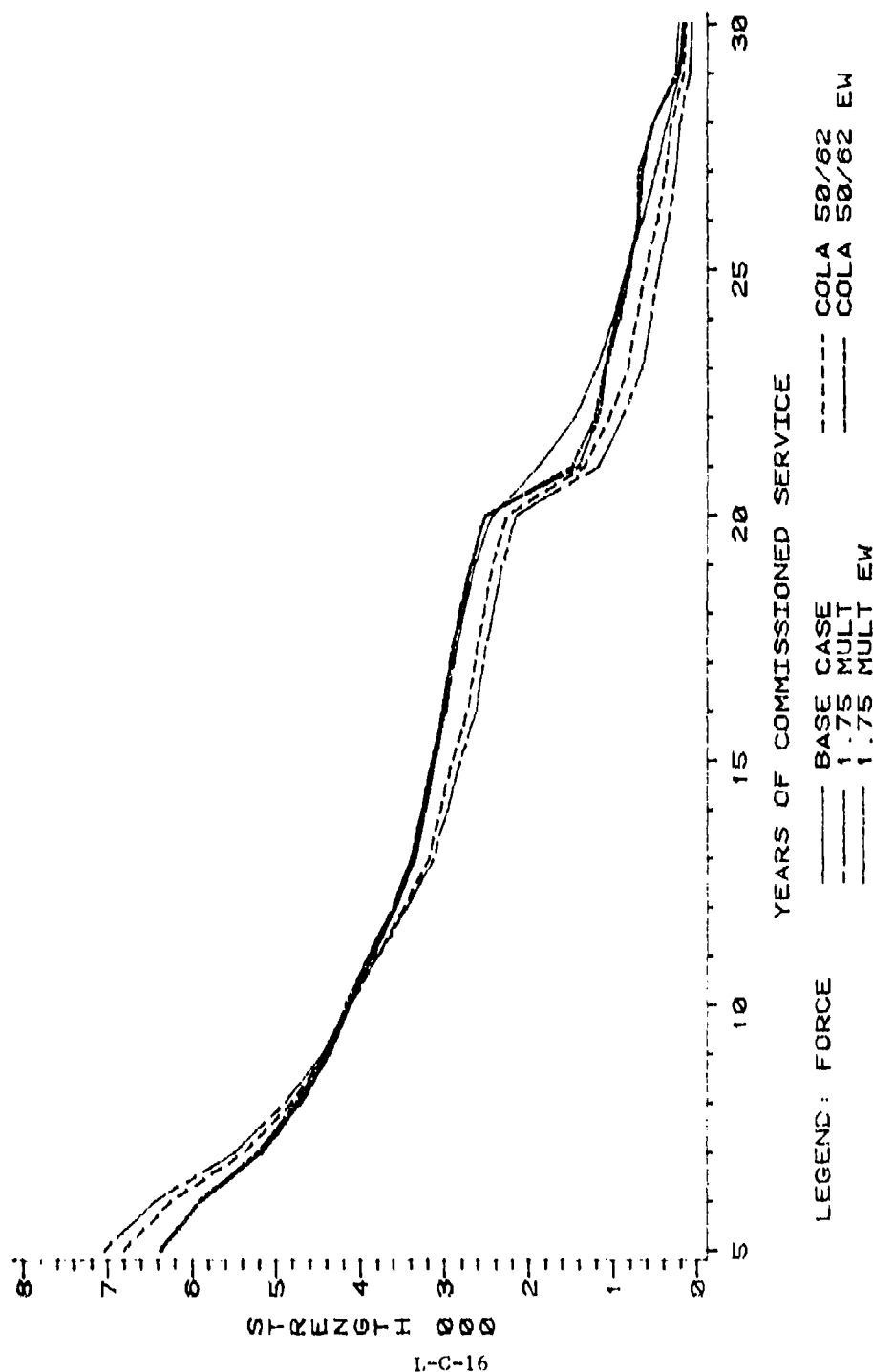
L-C-14

Figure L-C-9
USMC OFFICER STRENGTH
5 - 30 YOS



L-C-15

Figure L-C-10
 USAF OFFICER STRENGTH
 5 - 30 YOS



L-C-16

Figure L-C-17
DOD ENLISTED STRENGTH
5 - 30 YOS

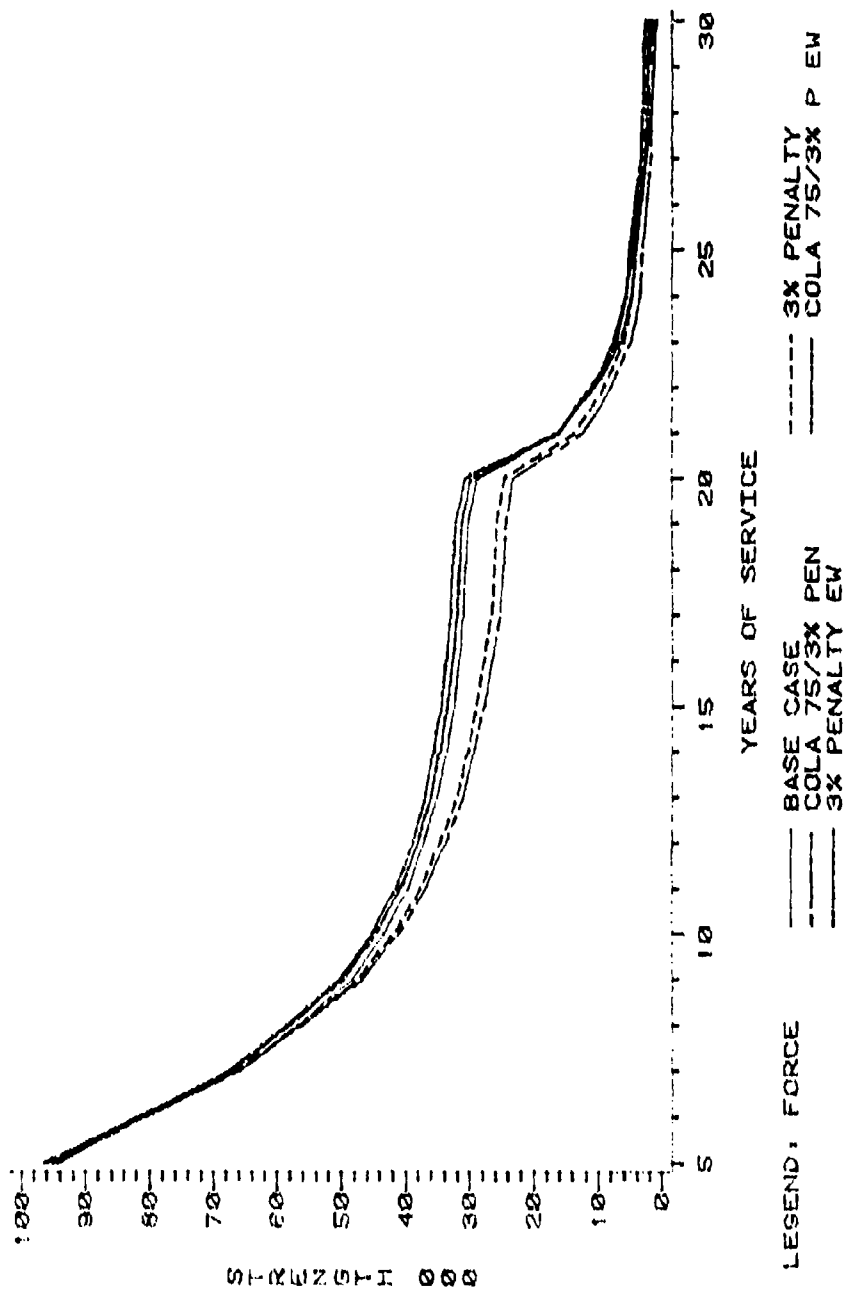
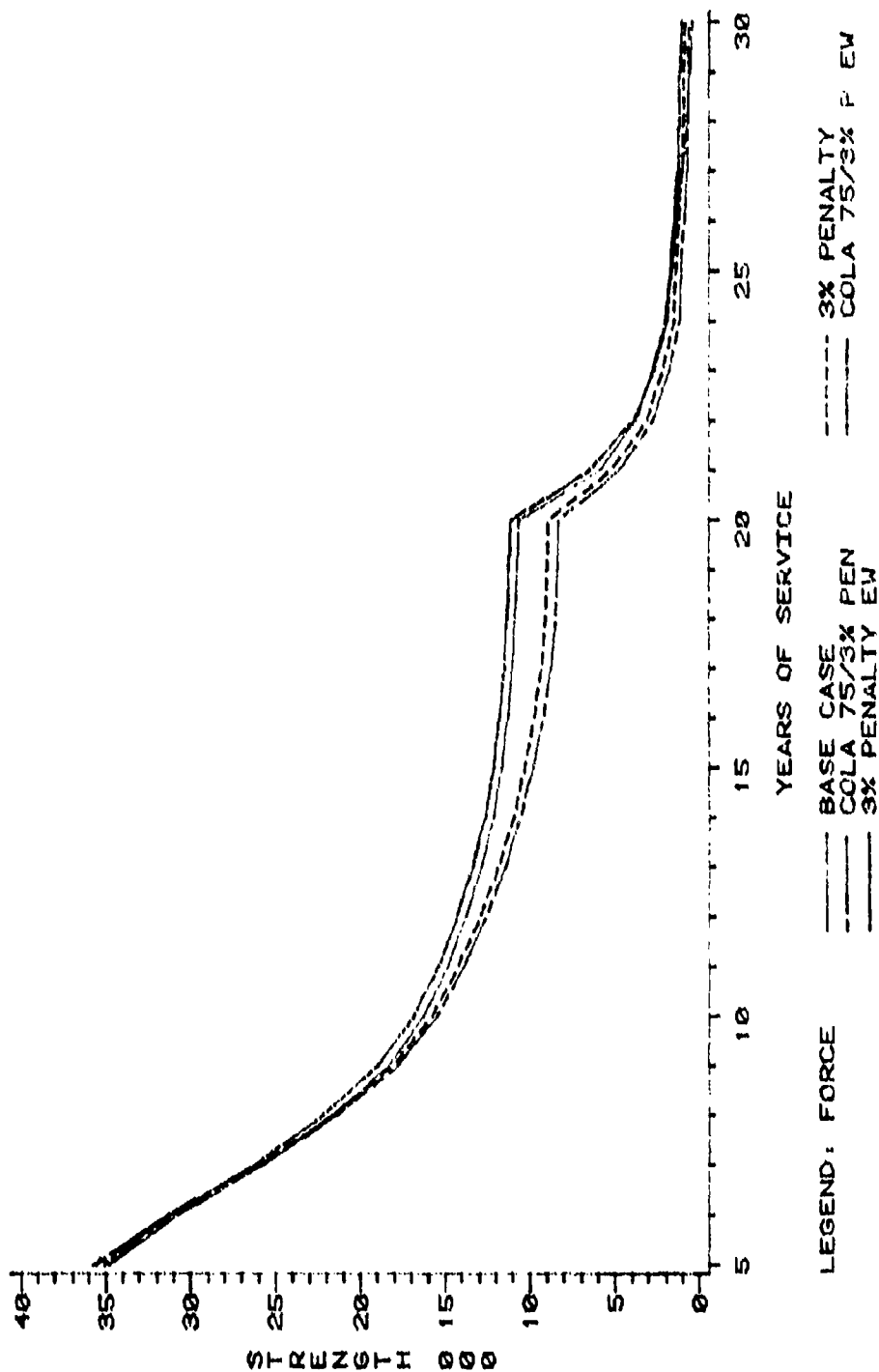
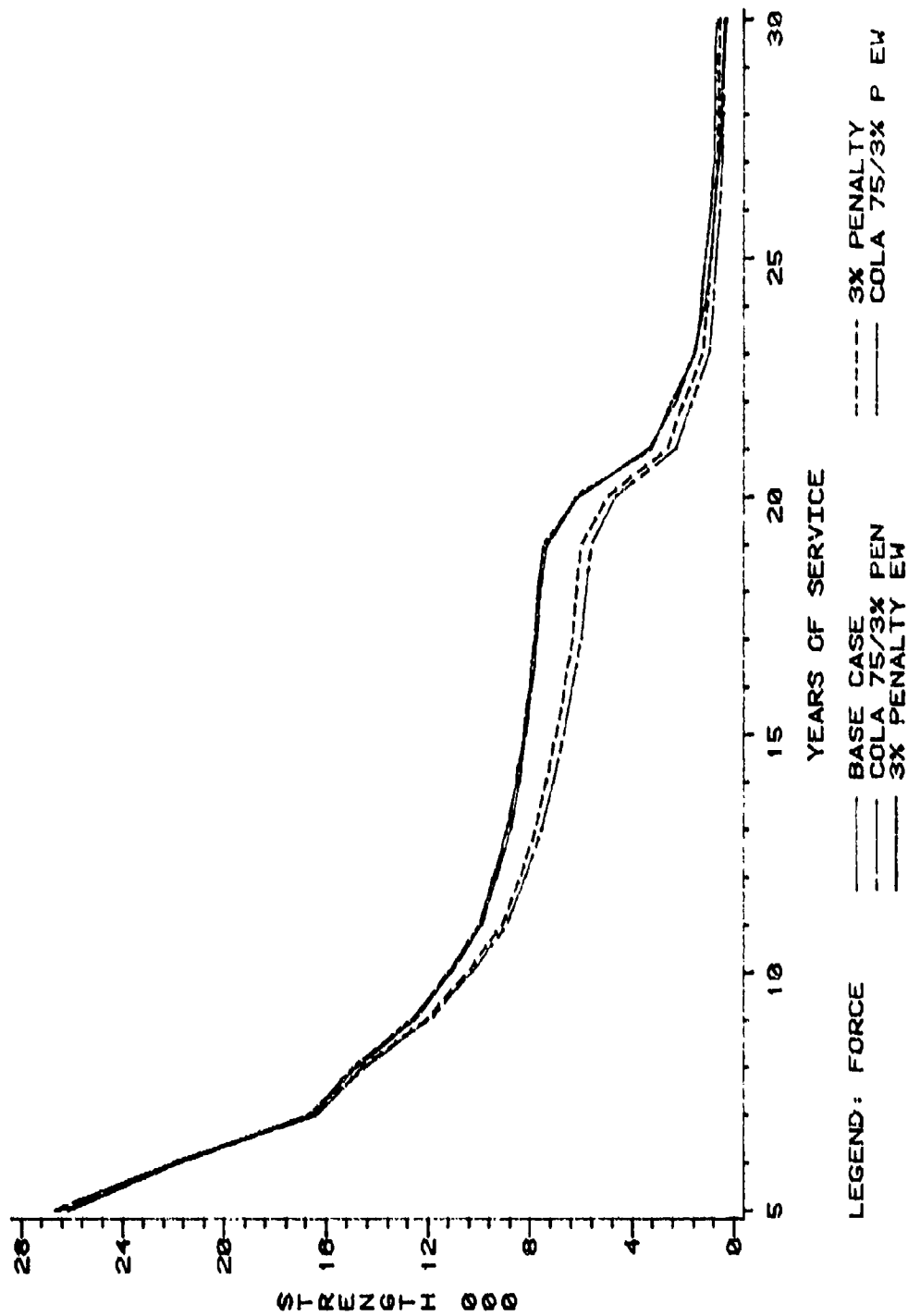


Figure L-C-12
ARMY ENLISTED STRENGTH
 5 - 30 YOS



L-C-18

Figure L-C-13
NAVY ENLISTED STRENGTH
5 - 30 YOS



USMC ENLISTED STRENGTH 5 - 30 YOS

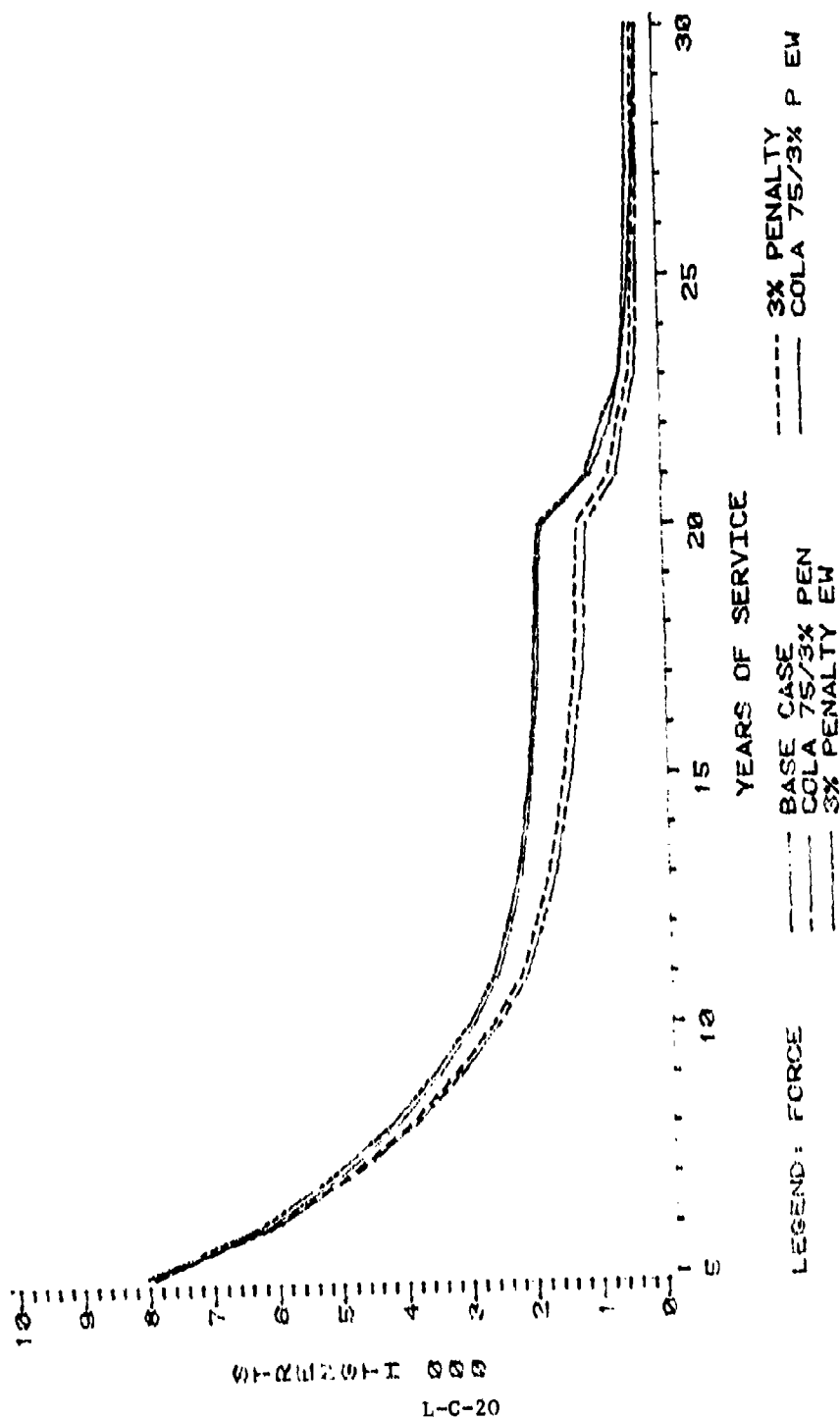


Figure L-C-15
NAVY ENLISTED STRENGTH
5 - 30 YOS

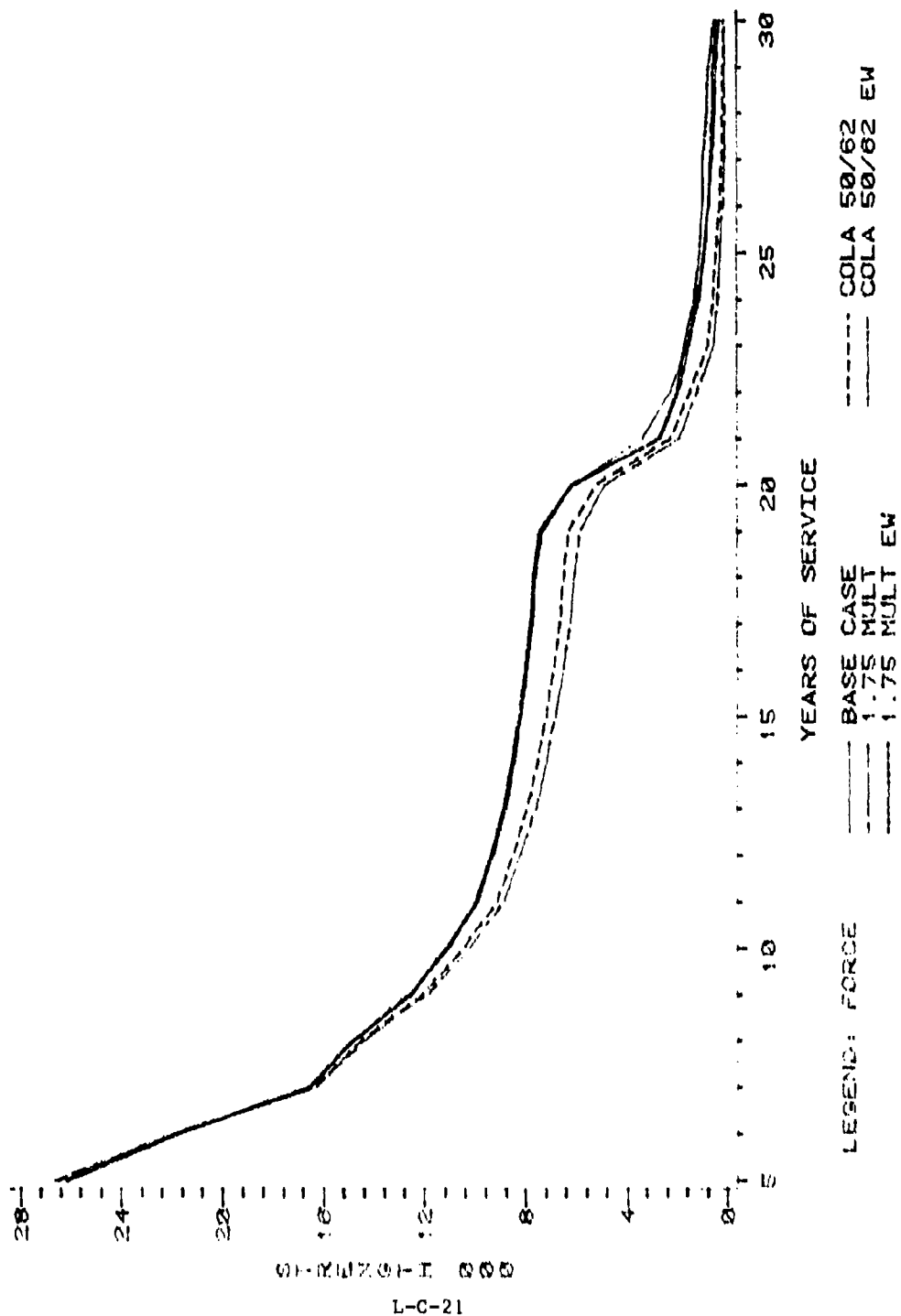
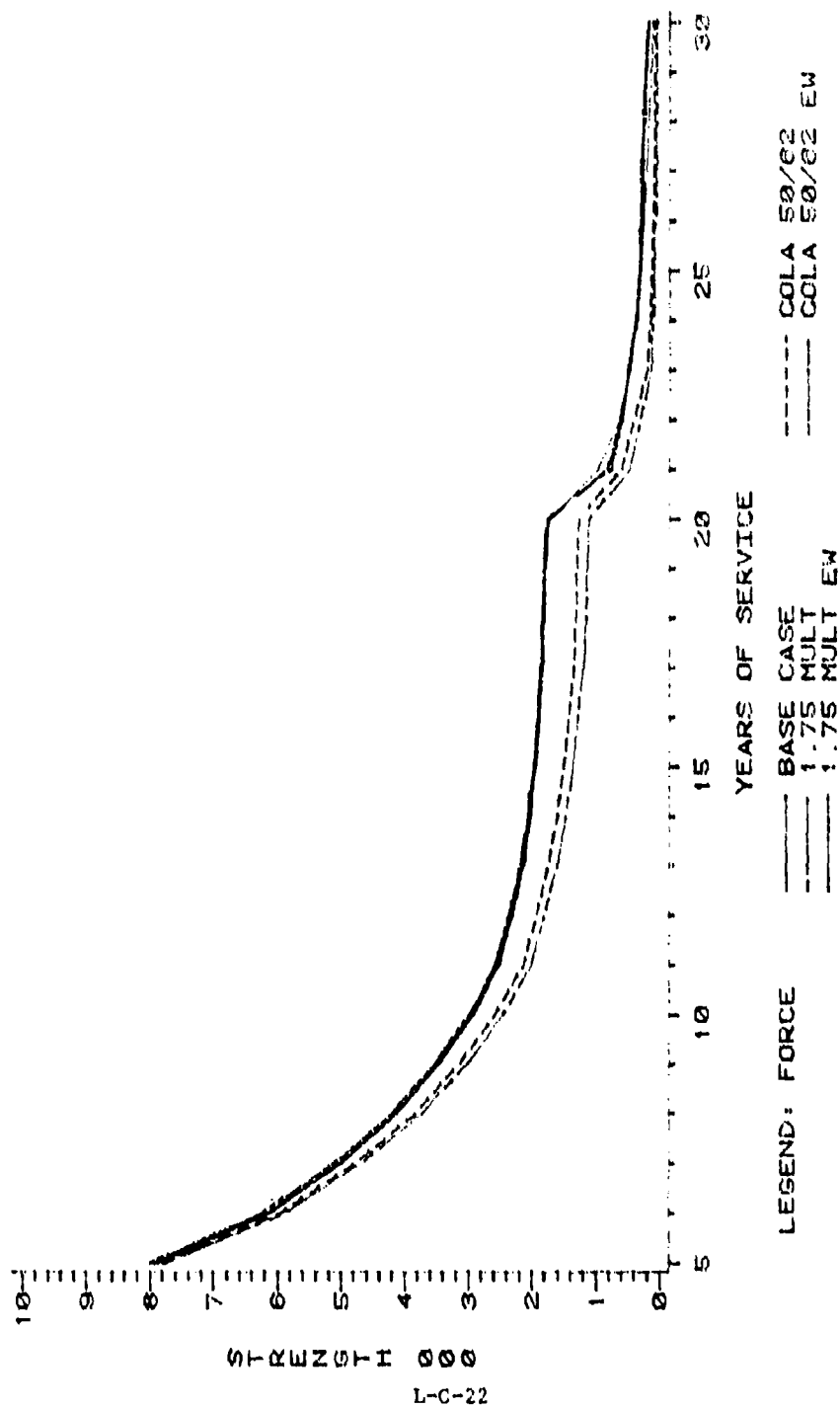
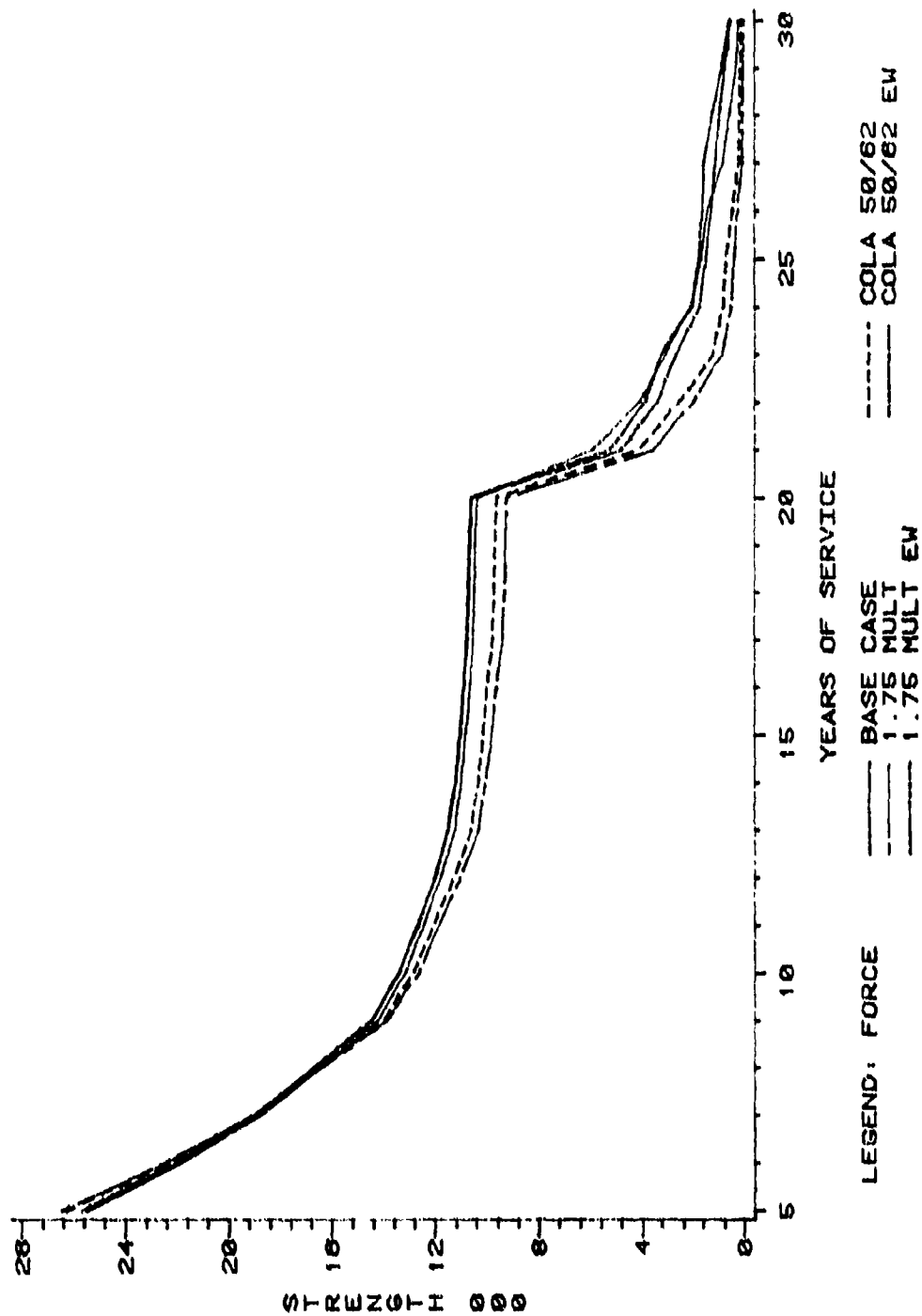


Figure L-C-16
USMC ENLISTED STRENGTH
5 - 30 YOS



L-C-22

Figure L-C-17
USAF ENLISTED STRENGTH
 5 - 30 YOS



L-C-23

Figure 1-18
ARMY ENLISTED STRENGTH
 5 - 30 YOS

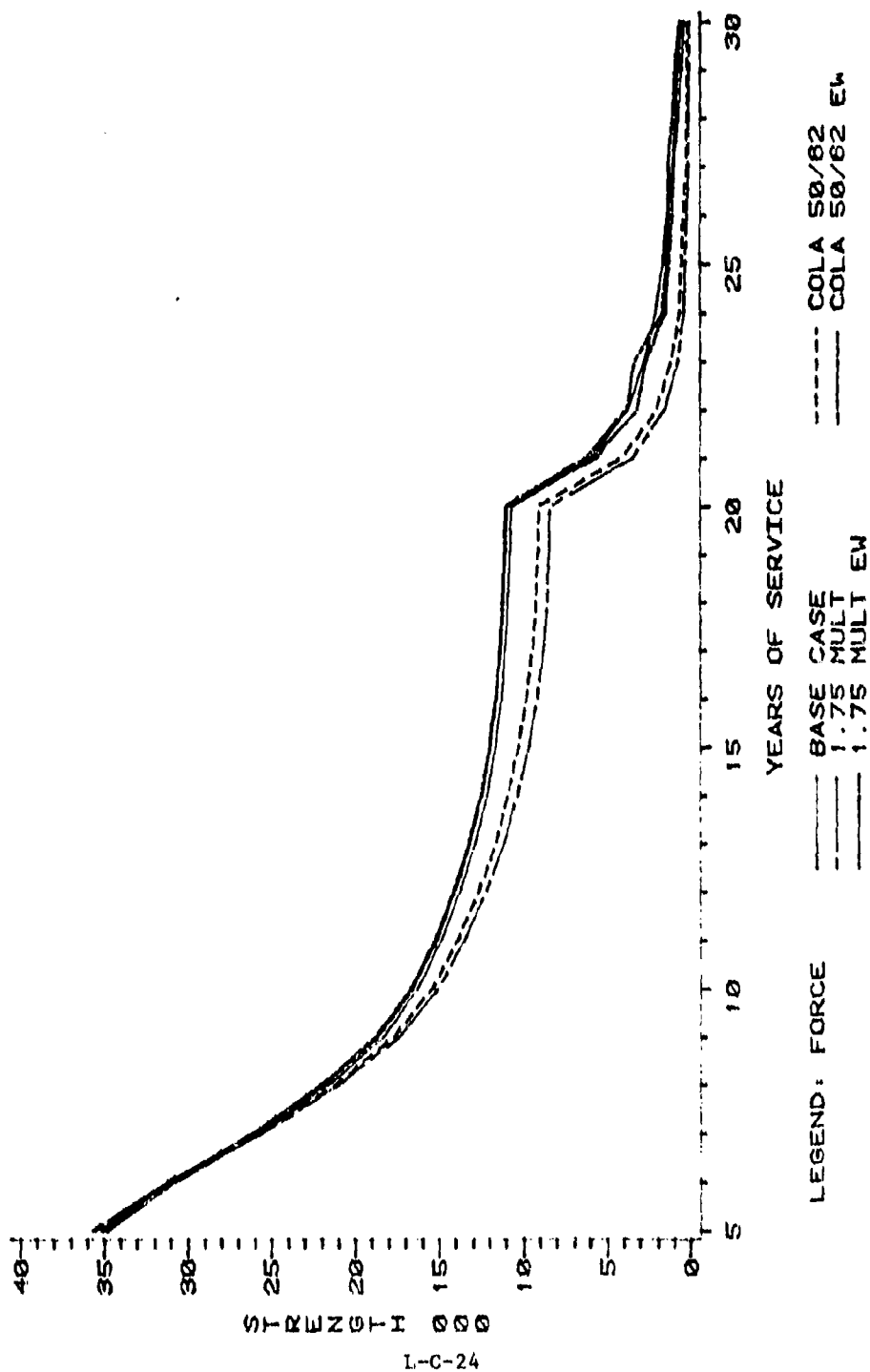
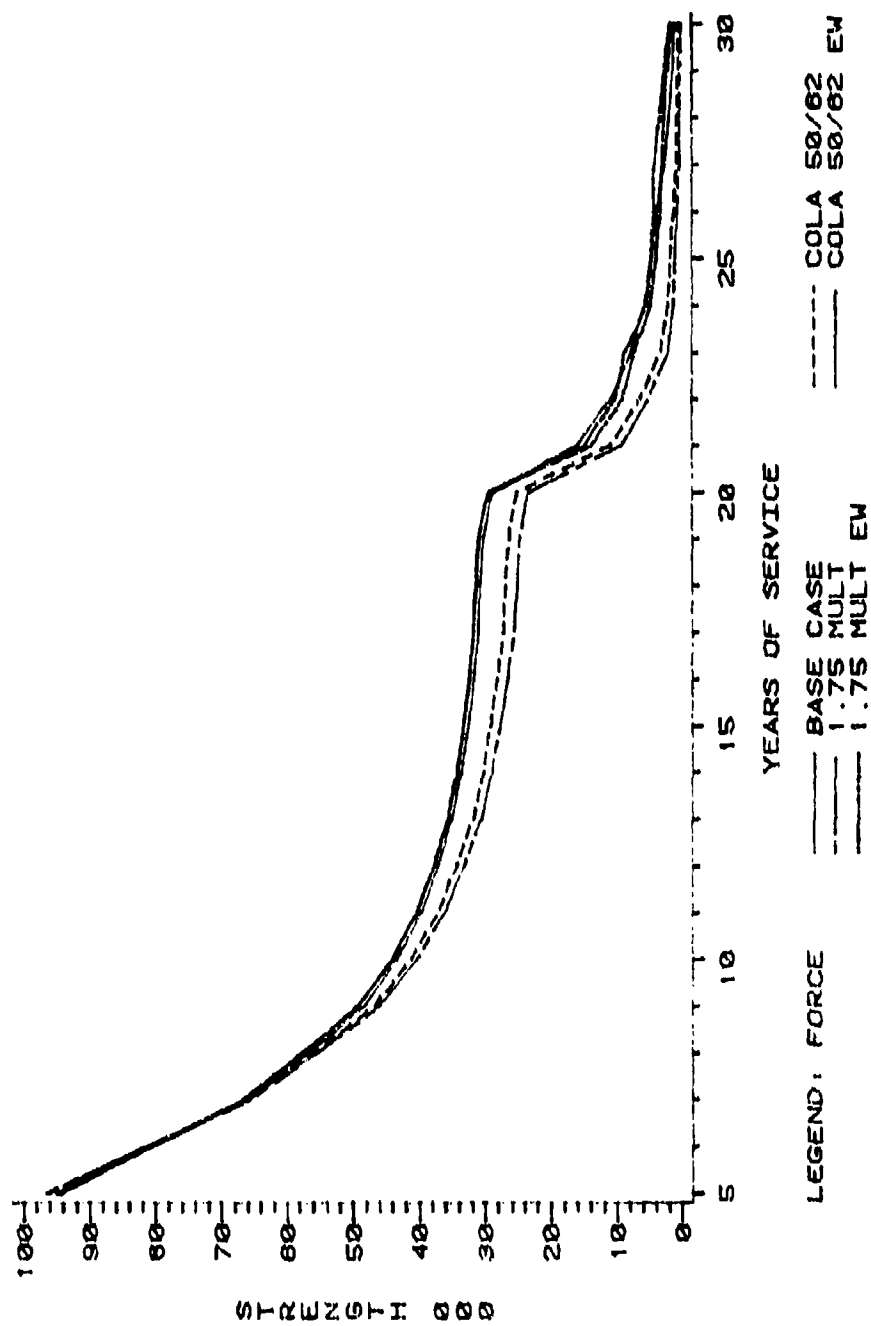


Figure L-C-19
DOD ENLISTED STRENGTH
 5 - 30 YOS



L-C-25

Figure L-C-20
USAF ENLISTED STRENGTH
5 - 30 YOS

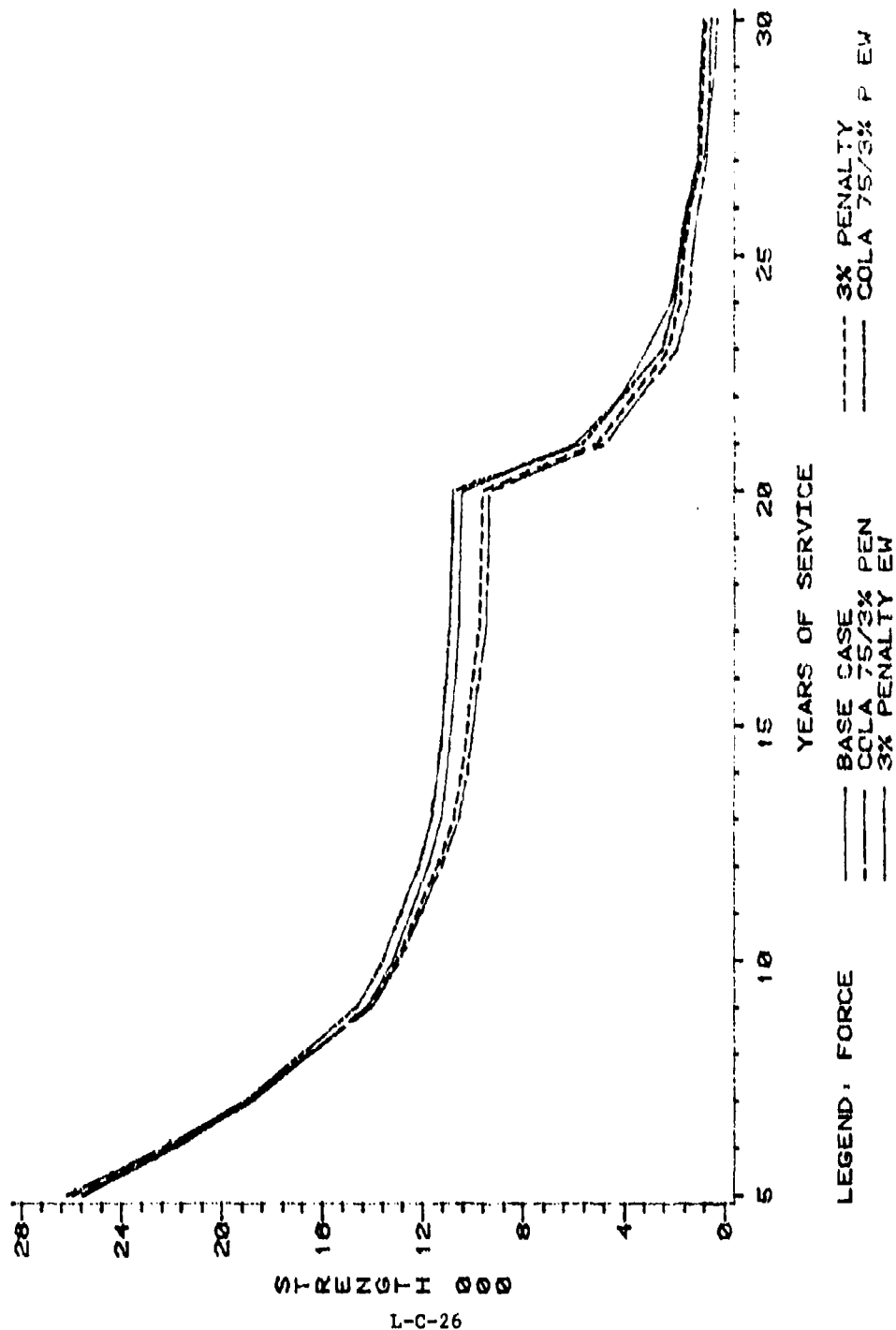


Figure L-C-21

FORCE LEVELS VS EARLY WITHDRAWALS

75% COLA AND 3% PRE-30 YOS < 3% PDR
AND VARIABLE EARLY WITHDRAWALS
ENLISTED POPULATION

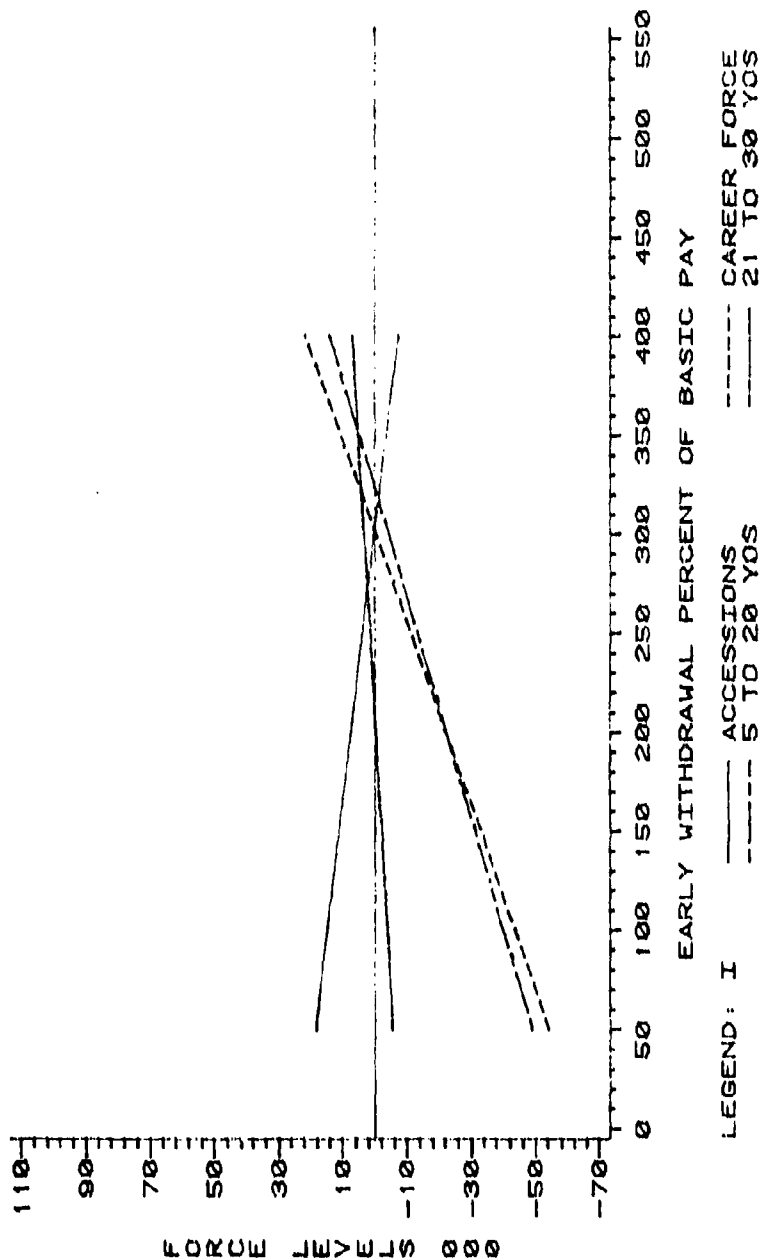


Figure L-C-22
FORCE LEVELS VS EARLY WITHDRAWALS
 75% COLA AND 3% PRE-30 YOS (TAPERED PDR)
 AND VARIABLE EARLY WITHDRAWALS
 ENLISTED POPULATION

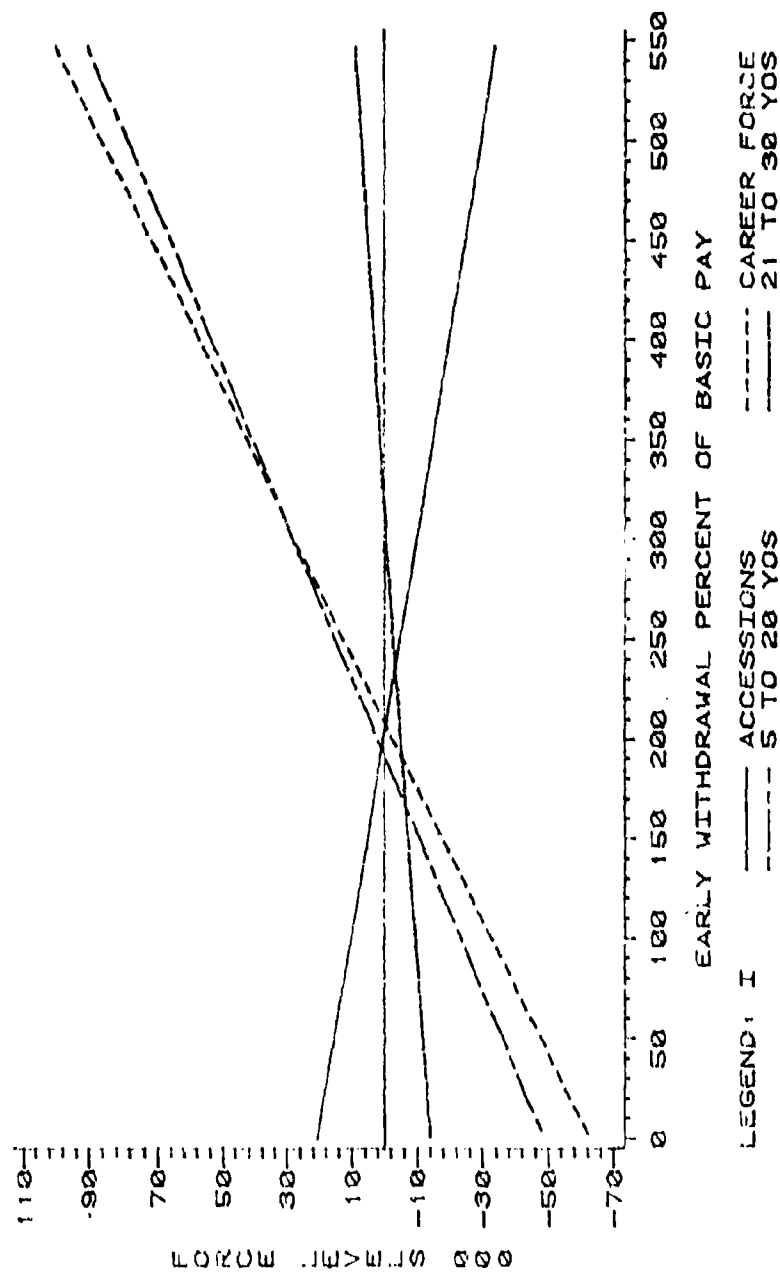


Figure L-C-23

FORCE LEVELS VS EARLY WITHDRAWALS 75 X COLA AND 3 X PRE-30 YOS < 10% PDR AND VARIABLE EARLY WITHDRAWALS ENLISTED POPULATION

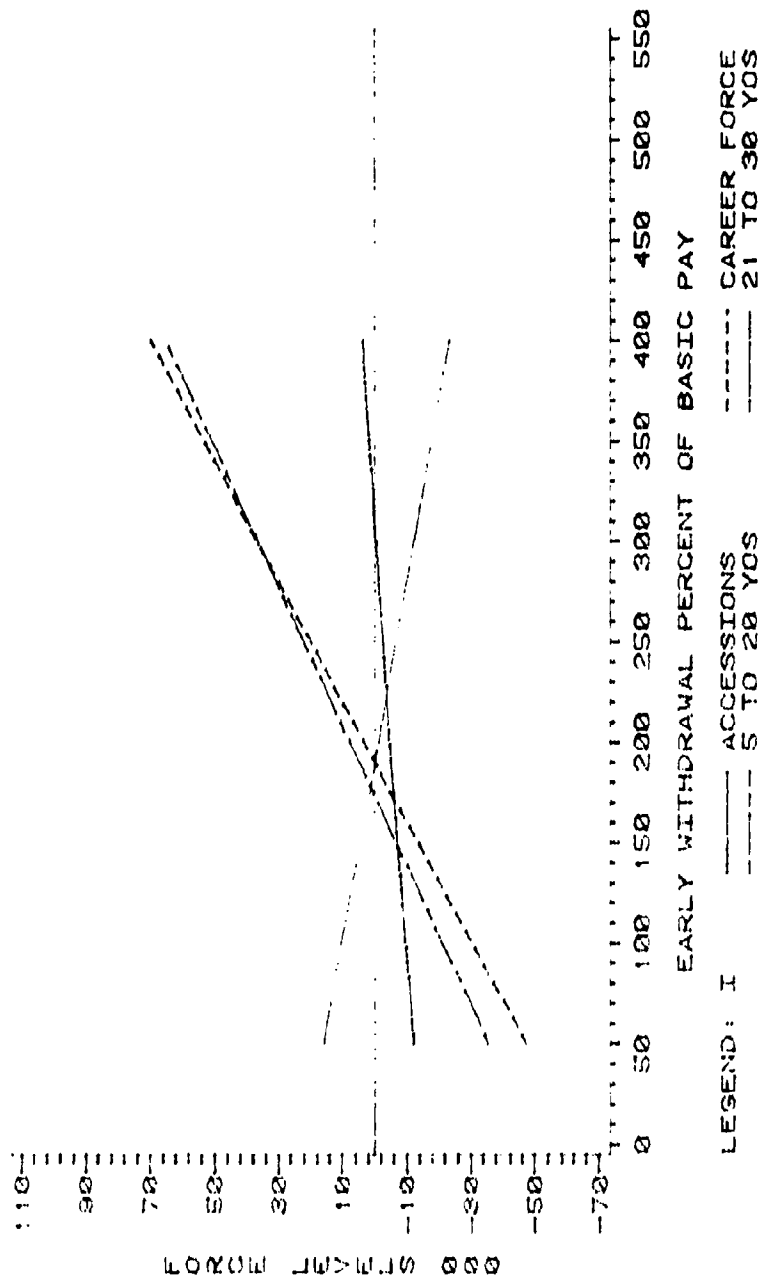


Figure L-C-24

FORCE LEVELS VS EARLY WITHDRAWALS

3% PRE-30 YOS C 3% PDRD
AND VARIABLE EARLY WITHDRAWALS
ENLISTED POPULATION

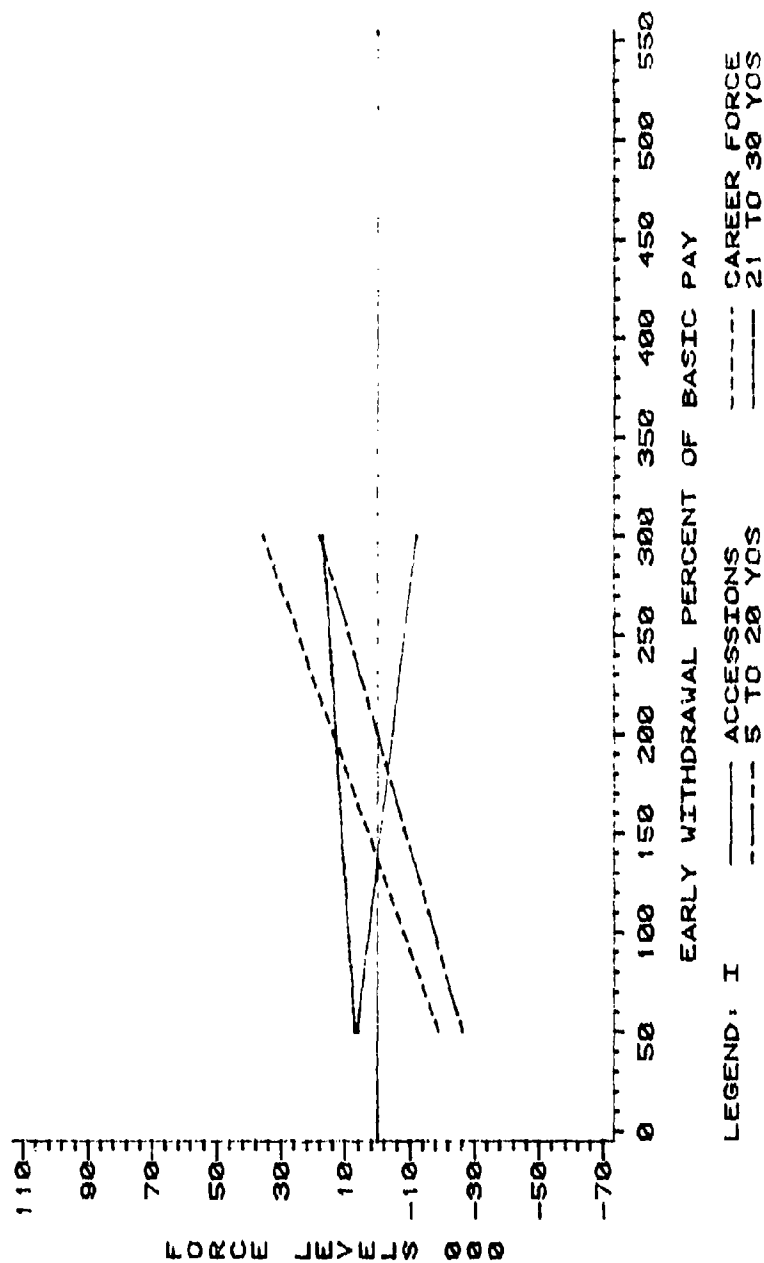


Figure L-C-25

FORCE LEVELS VS EARLY WITHDRAWALS

3X PRE-30 YOS C TAPERED PDR
AND VARIABLE EARLY WITHDRAWALS
ENLISTED POPULATION

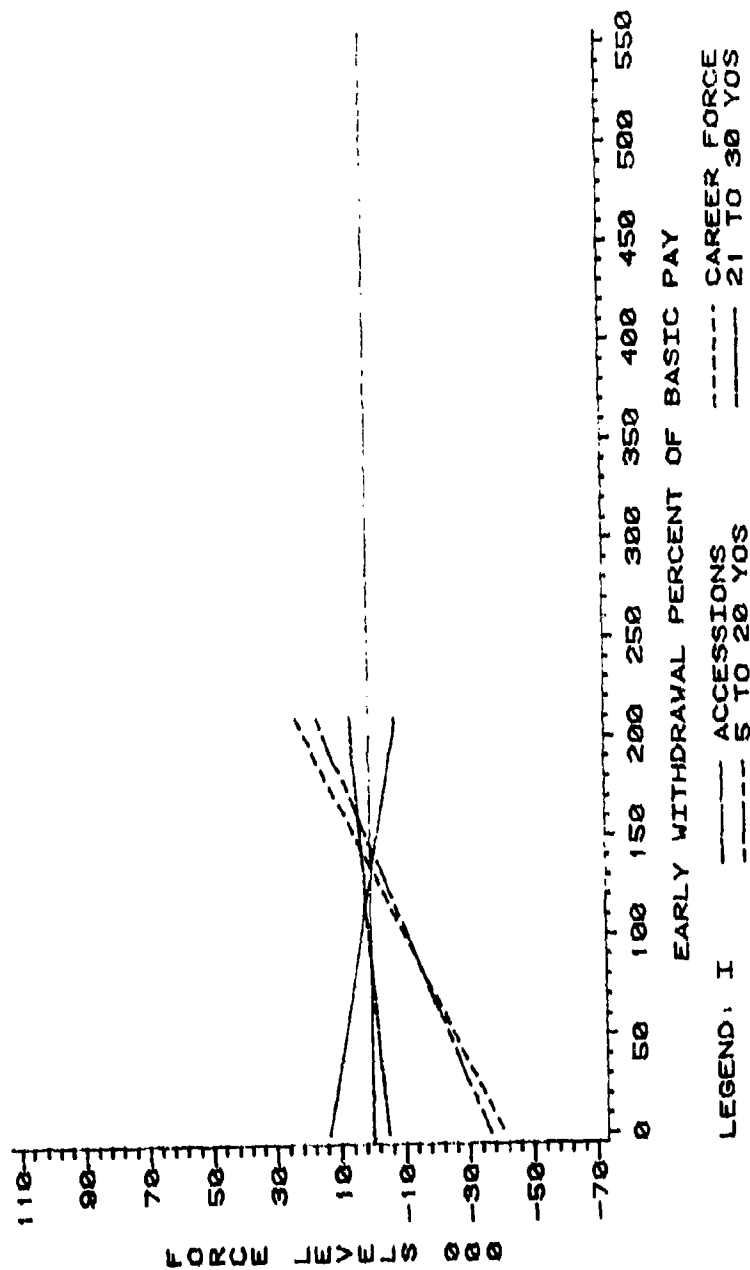


Figure L-C-26
FORCE LEVELS VS EARLY WITHDRAWALS
 3 % PRE-30 YOS < 10% PDR
 AND VARIABLE EARLY WITHDRAWALS
 ENLISTED POPULATION

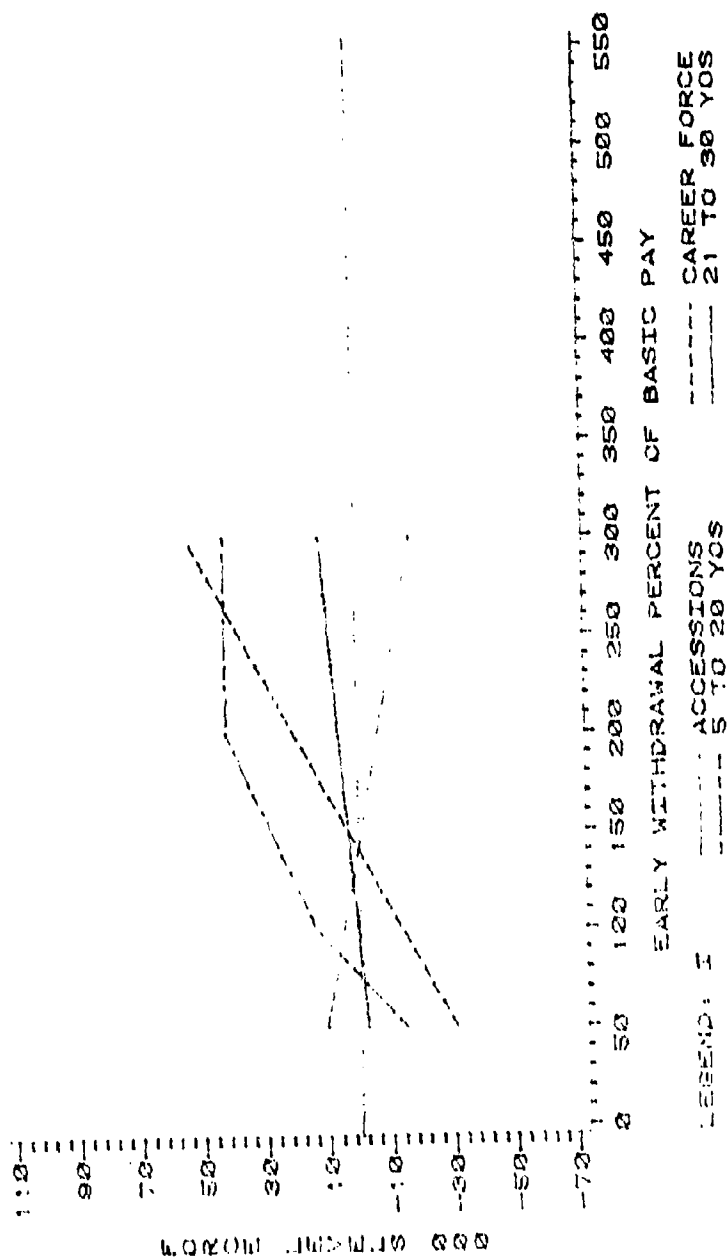


Figure L-C-27
FORCE LEVELS VS EARLY WITHDRAWALS
 4% PRE-30 YOS (3% PDR)
 AND VARIABLE EARLY WITHDRAWALS
 ENLISTED POPULATION

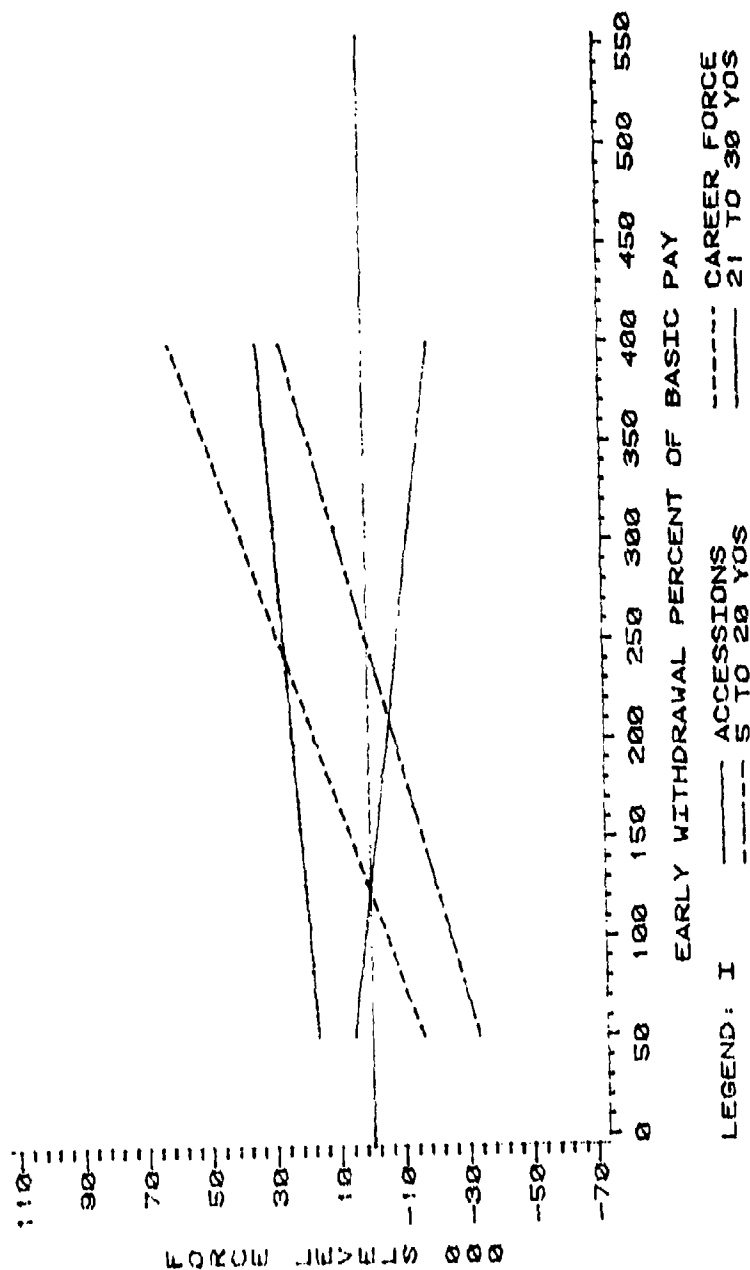
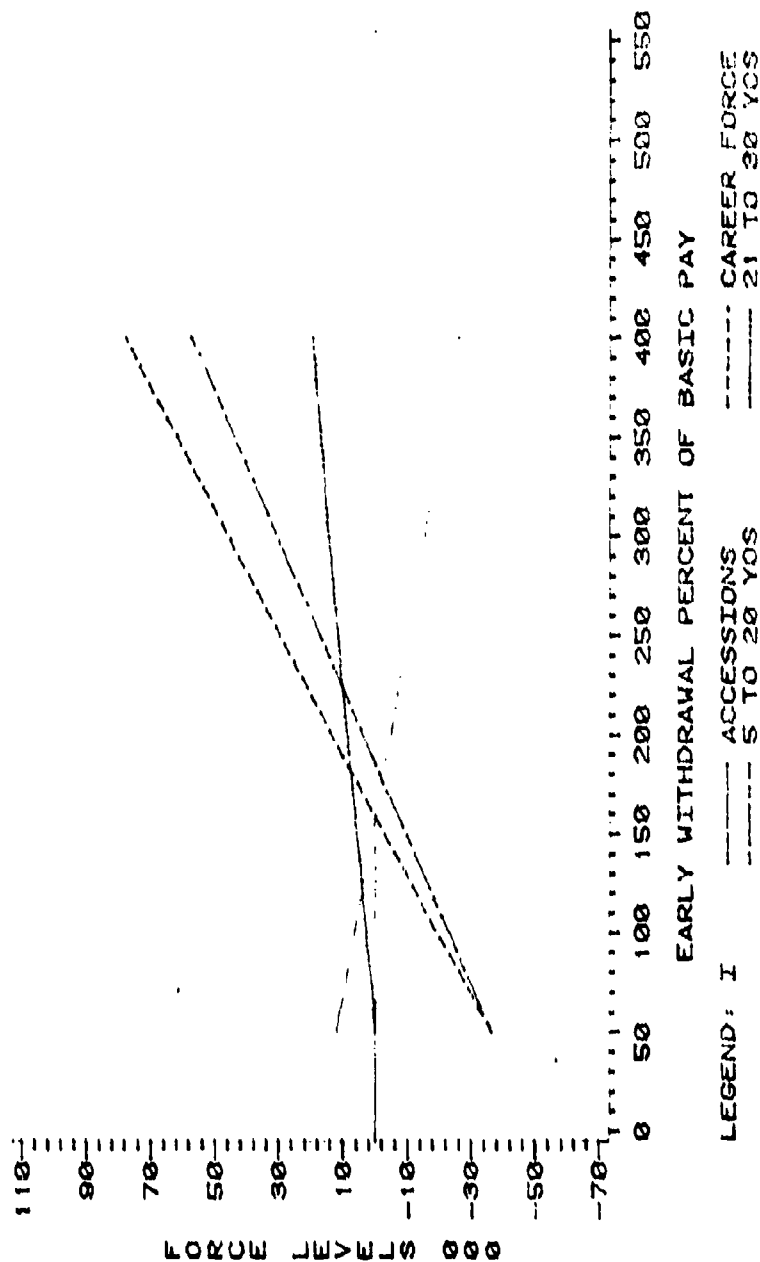


Figure L-C-28

FORCE LEVELS VS EARLY WITHDRAWALS

4 X PRE-30 YOS < 10% PDR>
AND VARIABLE EARLY WITHDRAWALS
ENLISTED POPULATION



D. FORCE TRANSITION DATA. The following tables describe how the Service force structure may be expected to age into the future. In each table the level of accessions, the size of the career force, the size of the forces YOS 5 to 20, and in YOS 21 to 30 are provided. Along the top of each table year 1 refers to 1984. Years 2 through 20 refer to each year in the future, i.e., to 1985 through 2003. The force structure transition strength tables are organized as outlined in Table L.D.1. For each enlisted or officer grouping, 5 transition cases are presented. The cases are defined as follows:

1. Case 1: Transition of FY84 estimated strengths into the future using the historical seven year average continuation rates.

2. Case 2: Transition of FY84 estimated strengths into the future using historical seven year average continuation rates adjusted to reflect the effect of a 75% COLA being applied to current members and future entrant retirement benefits.

3. Case 3: Same as case 2 but using a 50% COLA.

4. Case 4: Transition of FY84 estimated strengths into the future using spliced set of continuation rates. The continuation rates from case 2 were spliced with those generated by an alternative retirement system with the following characteristics:

a. 3% pre-30 YOS benefit reduction.

b. Early withdrawal allowances (200% of base pay for officers/ 300% for enlisted).

c. A grandfather clause to cover members with 12+ years of service as of 2 October 1984.

d. All current and future nondisability retirees under age 62 receive a 75% COLA.

(See Appendix I for an explanation of the splicing technique used to combine grandfathered and ungrandfathered force characteristics).

5. Case 5: Transition of FY84 estimated strengths into the future using a spliced set of continuation rates. The continuation rates from case 3 were spliced with those generated by an alternative retirement system with the following characteristics:

a. Early withdrawal allowances after YOS 20, 23, and 27 of 160%, 40%, and 50% of basic pay respectively for both officer and enlisted force structures.

b. All current and future nondisability retirees under age 62 receive a 50% COLA.

Table L.D.1
Organization of Transition Force Summary Tables

| <u>Service</u> | <u>Type
Force</u> | <u>Transition Case</u> | | | | |
|----------------|-----------------------|------------------------|---------------|---------------|---------------|---------------|
| | | <u>Case 1</u> | <u>Case 2</u> | <u>Case 3</u> | <u>Case 4</u> | <u>Case 5</u> |
| DoD | Enlisted | D. 2 | D. 3 | D. 4 | D. 5 | D. 6 |
| | Officer | D.27 | D.28 | D.29 | D.30 | D.31 |
| Army | Enlisted | D. 7 | D. 8 | D. 9 | D.10 | D.11 |
| | Officer | D.32 | D.33 | D.34 | D.35 | D.36 |
| Navy | Enlisted | D.12 | D.13 | D.14 | D.15 | D.16 |
| | Officer | D.37 | D.38 | D.39 | D.40 | D.41 |
| USMC | Enlisted | D.17 | D.18 | D.19 | D.20 | D.21 |
| | Officer | D.42 | D.43 | D.44 | D.45 | D.46 |
| USAF | Enlisted | D.22 | D.23 | D.24 | D.25 | D.26 |
| | Officer | D.47 | D.48 | D.49 | D.50 | D.51 |

Table L. D-2
Transition Case 1

| FILE: DODE | | | VM/SP CONVERSATIONAL MONITOR SYSTEM | | | | | | | | | | PAGE 001 | |
|----------------|--|--|-------------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|---------|
| TRN7CASO AT | | | | | | | | | | | | | | |
| DOD FILE: TRN7 | | | SCENARIO: 0 | | | | | | | | | | | |
| YEAR: | | | 2 | | | | | | | | | | | |
| ACCESSIONS | | | 270.067 | 343.292 | 330.976 | 322.831 | 323.521 | 328.529 | 327.696 | 328.398 | 325.094 | 328.383 | 333.141 | 336.399 |
| DELTA(BASE) | | | 0.0 | 73.225 | 60.909 | 52.764 | 53.454 | 58.462 | 57.629 | 58.331 | 55.027 | 58.316 | 63.074 | 66.332 |
| YOS 5 TO 30* | | | | | | | | | | | | | | |
| STRENGTH | | | 827.026 | 823.342 | 818.474 | 809.559 | 789.555 | 794.084 | 794.149 | 791.742 | 791.507 | 790.603 | 777.339 | 761.441 |
| PERCENT | | | 0.0 | -0.0065 | -0.0103 | -0.0211 | -0.0453 | -0.0398 | -0.0398 | -0.0427 | -0.0429 | -0.0440 | -0.0601 | -0.0793 |
| DELTA(BASE) | | | 0.0 | -3.684 | -8.552 | -17.467 | -37.471 | -32.942 | -32.877 | -35.284 | -35.519 | -36.423 | -49.687 | -65.585 |
| YOS 5 TO 20 | | | | | | | | | | | | | | |
| STRENGTH | | | 765.985 | 767.786 | 767.257 | 761.504 | 742.559 | 747.747 | 745.114 | 741.935 | 743.302 | 739.489 | 719.275 | 703.577 |
| PERCENT | | | 0.0 | 0.0024 | 0.0017 | -0.0058 | -0.0306 | -0.0238 | -0.0272 | -0.0314 | -0.0296 | -0.0346 | -0.0610 | -0.0815 |
| DELTA(BASE) | | | 0.0 | 1.801 | 1.272 | -4.481 | -23.426 | -18.238 | -20.871 | -24.050 | -22.683 | -26.496 | -46.710 | -62.408 |
| YOS 21 TO 30 | | | | | | | | | | | | | | |
| STRENGTH | | | 60.402 | 55.098 | 50.756 | 47.577 | 46.562 | 45.959 | 44.655 | 49.424 | 47.789 | 50.687 | 57.777 | 57.505 |
| PERCENT | | | 0.0 | -0.0878 | -0.1597 | -0.2123 | -0.2291 | -0.2391 | -0.1945 | -0.1817 | -0.2088 | -0.1608 | -0.0435 | -0.0480 |
| DELTA(BASE) | | | 0.0 | -5.304 | -9.646 | -12.825 | -13.840 | -14.443 | -11.747 | -10.978 | -12.613 | -9.715 | -2.625 | -2.897 |

Table L. D-3
Transition Case 2

| FILE: DODE | TRN7CASE A1 | VM/SP CONVERSATIONAL MONITOR SYSTEM | | | | | | | | | | PAGE 001 |
|----------------|-------------|-------------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|
| DOO FILE: TRN7 | 1 | SCENARIO: 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 15 | 20 |
| YEAR: | | 2 | | | | | | | | | | |
| ACCESSIONS | 270.067 | 350.387 | 337.500 | 329.198 | 330.805 | 337.176 | 336.741 | 338.066 | 334.851 | 338.674 | 343.406 | 345.335 |
| DELTA(BASE) | 0.0 | 7.095 | 6.524 | 6.367 | 7.284 | 8.647 | 9.045 | 9.668 | 9.757 | 10.297 | 10.265 | 8.936 |
| YOS 5 TO 30+ | | | | | | | | | | | | |
| STRENGTH | 827.026 | 817.023 | 806.429 | 792.870 | 769.144 | 771.854 | 769.770 | 765.099 | 763.172 | 760.951 | 746.212 | 733.728 |
| DELTA(BASE) | 0.0 | -6.319 | -12.045 | -16.689 | -20.411 | -22.230 | -24.379 | -26.643 | -28.335 | -29.652 | -31.127 | -27.713 |
| YOS 5 TO 20 | | | | | | | | | | | | |
| STRENGTH | 765.985 | 762.812 | 757.321 | 747.339 | 724.888 | 728.617 | 724.573 | 719.975 | 720.222 | 715.909 | 597.047 | 686.382 |
| DELTA(BASE) | -0.000 | -4.974 | -9.936 | -14.165 | -17.671 | -19.130 | -20.541 | -21.960 | -23.080 | -23.580 | -22.228 | -17.195 |
| YOS 21 TO 30 | | | | | | | | | | | | |
| STRENGTH | 60.402 | 53.702 | 48.577 | 44.974 | 43.751 | 42.707 | 44.650 | 44.569 | 42.358 | 44.461 | 48.822 | 46.928 |
| DELTA(BASE) | 0.0 | -1.396 | -2.179 | -2.603 | -2.611 | -3.252 | -4.005 | -4.855 | -5.431 | -6.226 | -8.955 | -10.577 |

L-D-4

Table L. D-4
Transition Case 3

| FILE: CODE | TRN7CAS3 A1 | VM/SP CONVERSATIONAL MONITOR SYSTEM | | | | | | | | | | PAGE 001 |
|---|-------------------|-------------------------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| ODD FILE: TRN7
YEAR: | 1 | SCENARIO: 3
2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 15 | 20 |
| ACCESSIONS
DELTA(BASE) | 270.067
0.0 | 358.036
14.744 | 344.262
13.226 | 335.566
12.735 | 338.144
14.623 | 345.769
17.240 | 345.314
17.618 | 346.879
18.481 | 343.716
18.622 | 347.997
19.614 | 352.517
19.376 | 353.457
17.058 |
| YOS 5 TO 30+
STRENGTH
DELTA(BASE) | 827.026
0.0 | 810.244
-13.098 | 793.929
-24.545 | 775.855
-33.704 | 748.445
-41.110 | 749.792
-44.292 | 746.128
-48.021 | 739.960
-51.782 | 737.050
-54.457 | 734.184
-56.415 | 718.470
-58.869 | 708.847
-52.594 |
| YOS 5 TO 20
STRENGTH
DELTA(BASE) | 765.985
-0.000 | 758.344
-9.442 | 748.409
-18.848 | 734.628
-25.876 | 709.044
-33.515 | 711.874
-35.873 | 706.825
-38.289 | 701.124
-40.811 | 700.564
-42.738 | 696.059
-43.431 | 678.356
-40.919 | 671.631
-31.946 |
| YOS 21 TO 30
STRENGTH
DELTA(BASE) | 60.402
0.0 | 51.351
-3.747 | 44.928
-5.828 | 40.609
-6.968 | 38.839
-7.723 | 37.342
-8.617 | 38.722
-9.935 | 38.260
-11.164 | 35.893
-11.896 | 37.581
-13.106 | 39.828
-17.949 | 36.878
-20.627 |

Table L. D-5
Transition Case 4

| FILE: DODE | 7562CAS2 A1 | VR/SP CONVERSATIONAL MONITOR SYSTEM | | | | | | | | | | PAGE 001 |
|----------------|-------------|-------------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|
| DOD FILE: 7562 | 1 | SCENARIO: 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 15 | 20 |
| YEAR: | | 2 | | | | | | | | | | |
| ACCESSIONS | 270.067 | 337.514 | 325.440 | 316.977 | 316.417 | 320.538 | 319.760 | 319.951 | 316.072 | 319.195 | 322.801 | 326.613 |
| DELTA(BASE) | 0.0 | -5.778 | -5.536 | -5.854 | -7.104 | -7.991 | -7.936 | -8.447 | -9.022 | -9.188 | -10.340 | -9.786 |
| YOS 5 TO 30+ | | | | | | | | | | | | |
| STRENGTH | 827.026 | 826.794 | 826.781 | 822.241 | 805.872 | 812.653 | 814.531 | 813.721 | 815.010 | 815.110 | 805.828 | 789.629 |
| DELTA(BASE) | 0.0 | 3.452 | 8.307 | 12.682 | 16.317 | 18.569 | 20.382 | 21.979 | 23.503 | 24.507 | 28.489 | 28.188 |
| YOS 5 TO 20 | | | | | | | | | | | | |
| STRENGTH | 765.985 | 772.361 | 777.229 | 776.042 | 760.829 | 768.627 | 768.581 | 767.907 | 771.489 | 768.845 | 751.734 | 732.245 |
| DELTA(BASE) | -0.000 | 4.575 | 9.972 | 14.538 | 18.270 | 20.880 | 23.467 | 25.972 | 28.187 | 29.356 | 32.459 | 28.668 |
| YOS 21 TO 30 | | | | | | | | | | | | |
| STRENGTH | 60.402 | 53.923 | 49.021 | 45.642 | 44.516 | 43.465 | 45.365 | 45.217 | 42.892 | 45.648 | 53.729 | 56.702 |
| DELTA(BASE) | 0.0 | -1.175 | -1.735 | -1.935 | -2.046 | -2.494 | -3.290 | -4.207 | -4.897 | -5.039 | -4.048 | -0.803 |

Table L. D-6
Transition Case 5

| FILE: D00E 5062CAS2 A1 | | | | VM/SI' CONVERSATIONAL MONITOR SYSTEM | | | | | | | | | | | | PAGE 001 | |
|------------------------------|--|--|--|--------------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|--|--|----------|--|
| DOD FILE: 5062 1 SCENARIO: 2 | | | | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 15 | 20 | | | | |
| YEAR: | | | | 332.413 | 323.487 | 323.783 | 328.778 | 327.781 | 328.066 | 324.051 | 328.503 | 330.680 | 333.317 | | | | |
| ACCFSSIONS 270.067 | | | | 1.437 | 0.656 | 0.262 | 0.249 | 0.085 | -0.332 | -1.043 | 0.120 | -2.461 | -3.082 | | | | |
| DELTA(BASE) 0.0 | | | | | | | | | | | | | | | | | |
| YOS 5 TO 30+ | | | | 819.978 | 804.883 | 785.040 | 791.089 | 792.046 | 790.379 | 791.315 | 790.227 | 793.102 | 770.609 | | | | |
| STRENGTH 827.026 | | | | -4.467 | -4.676 | -4.515 | -2.995 | -2.103 | -1.363 | -0.192 | -0.376 | 5.763 | 9.168 | | | | |
| DELTA(BASE) 0.0 | | | | | | | | | | | | | | | | | |
| YOS 5 TO 20 | | | | 768.139 | 763.767 | 745.777 | 753.321 | 752.881 | 751.662 | 754.929 | 751.906 | 734.232 | 717.015 | | | | |
| STRENGTH 765.985 | | | | 1.329 | 2.263 | 3.218 | 5.574 | 7.767 | 9.727 | 11.627 | 12.417 | 14.957 | 13.438 | | | | |
| DELTA(BASE) -0.000 | | | | | | | | | | | | | | | | | |
| YOS 21 TO 30 | | | | 51.290 | 40.506 | 38.710 | 37.204 | 38.598 | 38.155 | 35.804 | 37.778 | 48.590 | 52.957 | | | | |
| STRENGTH 60.402 | | | | -3.808 | -7.971 | -7.852 | -8.755 | -10.057 | -11.269 | -11.985 | -12.909 | -9.187 | -4.548 | | | | |
| DELTA(BASE) 0.0 | | | | | | | | | | | | | | | | | |

Table L. D-7
Transition Case 1

| FILE: ARMYE | | | VM/SP CONVERSATIONAL MONITOR SYSTEM | | | | | | | | | | PAGE 001 | |
|----------------|---------|---------|-------------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|----|----------|----|
| FILE: ETRN7YRA | | | SCENARIO: 0 | | | | | | | | | | | |
| YEAR: | | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 15 | 20 |
| ACCESSIONS | 107.689 | 145.485 | 131.409 | 134.824 | 132.889 | 131.263 | 132.092 | 131.444 | 131.754 | 134.993 | 136.850 | | | |
| DELTA(BASE) | 0.0 | 37.796 | 23.720 | 19.471 | 25.200 | 23.574 | 24.403 | 23.755 | 24.065 | 27.304 | 29.161 | | | |
| YOS 5 TO 30+ | | | | | | | | | | | | | | |
| STRENGTH | 300.282 | 307.423 | 308.362 | 301.065 | 293.112 | 296.125 | 295.241 | 297.019 | 297.259 | 290.141 | 280.908 | | | |
| PERCENT | 2.0 | 0.0238 | 0.0267 | 0.0026 | -0.0239 | -0.0120 | -0.0138 | -0.0109 | -0.0101 | -0.0338 | -0.0645 | | | |
| DELTA(BASE) | 0.0 | 7.141 | 8.080 | 0.783 | -7.170 | -3.599 | -4.157 | -3.263 | -3.023 | -10.141 | -19.374 | | | |
| YOS 5 TO 20 | | | | | | | | | | | | | | |
| STRENGTH | 282.363 | 291.091 | 293.240 | 286.954 | 279.033 | 282.431 | 280.631 | 282.025 | 280.585 | 268.323 | 259.391 | | | |
| PERCENT | 0.0 | 0.0309 | 0.0385 | 0.0163 | -0.0118 | 0.0002 | -0.0061 | -0.0012 | -0.0053 | -0.0497 | -0.0814 | | | |
| DELTA(BASE) | 0.0 | 8.728 | 10.877 | 4.591 | -3.330 | 0.068 | -1.732 | -0.334 | -1.83 | -14.040 | -22.972 | | | |
| YOS 21 TO 30 | | | | | | | | | | | | | | |
| STRENGTH | 17.858 | 16.253 | 15.064 | 14.053 | 14.026 | 14.201 | 15.432 | 14.928 | 16.315 | 21.772 | 21.452 | | | |
| PERCENT | 0.0 | -0.0899 | -0.1565 | -0.2131 | -0.2146 | -0.2048 | -0.1358 | -0.1641 | -0.1864 | 0.2192 | 0.2013 | | | |
| DELTA(BASE) | 0.0 | -1.605 | -2.794 | -3.805 | -3.832 | -3.657 | -2.426 | -2.719 | -1.543 | 3.914 | 3.594 | | | |

Table L. D-8
Transition Case 2

| FILE: ARMYE | | TRN7CAS2 A1 | VM/SP CONVERSATIONAL MONITOR SYSTEM | | | | | | | | | | PAGE 001 |
|----------------|--|-------------|-------------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|
| FILE: ETRN7YRA | | SCENARIO: 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 15 | 20 | |
| YEAR: | | 1 | | | | | | | | | | | |
| ACCESSIONS | | 107.689 | 146.438 | 129.789 | 138.399 | 136.630 | 135.090 | 136.280 | 135.762 | 136.171 | 139.449 | 140.687 | |
| DELTA(BASE) | | 0.0 | 2.953 | 2.629 | 3.575 | 3.741 | 3.827 | 4.188 | 4.318 | 4.417 | 4.456 | 3.837 | |
| YOS 5 TO 30+ | | | | | | | | | | | | | |
| STRENGTH | | 300.282 | 303.697 | 294.572 | 285.019 | 287.693 | 286.248 | 284.508 | 285.737 | 285.477 | 277.673 | 270.020 | |
| DELTA(BASE) | | 0.0 | -4.665 | -6.493 | -8.093 | -8.990 | -9.877 | -10.733 | -11.282 | -11.782 | -12.468 | -10.888 | |
| YOS 5 TO 20 | | | | | | | | | | | | | |
| STRENGTH | | 282.363 | 289.357 | 281.355 | 271.964 | 274.649 | 272.244 | 271.059 | 272.704 | 271.372 | 259.681 | 252.985 | |
| DELTA(BASE) | | -0.000 | -3.883 | -5.599 | -7.069 | -7.782 | -8.387 | -8.975 | -9.325 | -9.508 | -8.642 | -6.406 | |
| YOS 21 TO 30 | | | | | | | | | | | | | |
| STRENGTH | | 17.858 | 14.273 | 13.149 | 12.994 | 12.972 | 13.916 | 13.354 | 12.948 | 14.625 | 17.942 | 16.966 | |
| DELTA(BASE) | | -0.000 | -0.791 | -0.904 | -1.032 | -1.229 | -1.516 | -1.785 | -1.980 | -2.290 | -3.830 | -4.486 | |

Table L. D-9
Transition Case 3

| FILE: ARMYE | TRNTCAS3 A1 | VM/SP CONVERSATIONAL MONITOR SYSTEM | | | | | | | | | | PAGE 001 |
|----------------|-------------|-------------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|
| FILE: ETRNTYRA | SCENARIO: 3 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 15 | 20 | |
| YEAR: | 1 | | | | | | | | | | | |
| ACCESSIONS | 107.689 | 151.441 | 132.403 | 141.890 | 140.208 | 138.679 | 140.125 | 139.702 | 140.163 | 143.438 | 144.210 | |
| DELTA(BASE) | 0.0 | 5.309 | 5.243 | 7.066 | 7.319 | 7.416 | 8.033 | 8.258 | 8.409 | 8.445 | 7.360 | |
| YOS 5 TO 30* | | | | | | | | | | | | |
| STRENGTH | 300.282 | 302.739 | 288.170 | 277.127 | 279.078 | 276.934 | 274.596 | 275.469 | 274.892 | 266.634 | 260.223 | |
| DELTA(BASE) | 0.0 | -4.684 | -12.895 | -15.985 | -17.605 | -19.191 | -20.645 | -21.550 | -22.367 | -23.507 | -20.685 | |
| YOS 5 TO 20 | | | | | | | | | | | | |
| STRENGTH | 282.363 | 287.658 | 275.269 | 265.553 | 267.674 | 264.792 | 263.134 | 264.515 | 263.059 | 252.108 | 247.138 | |
| DELTA(BASE) | -0.000 | -3.433 | -10.685 | -13.480 | -14.757 | -15.839 | -16.900 | -17.514 | -17.821 | -16.215 | -12.253 | |
| YOS 21 TO 30 | | | | | | | | | | | | |
| STRENGTH | 17.873 | 14.987 | 11.826 | 11.506 | 11.325 | 12.049 | 11.364 | 10.872 | 11.759 | 14.486 | 13.032 | |
| DELTA(BASE) | -0.000 | -1.266 | -2.227 | -2.520 | -2.876 | -3.383 | -3.775 | -4.056 | -4.556 | -7.286 | -8.420 | |

Table L. D-10
Transition Case 4

| FILE: ARMYE 7562CAS2 A1 | | | VA/SP CONVERSATIONAL MONITOR SYSTEM | | | | | | | | | | PAGE 001 | |
|----------------------------|---------|---------|-------------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|--|
| FILE: 17562-1A SCENARIO: 2 | | | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 15 | 20 | | |
| YEAR: 1 | | | | | | | | | | | | | | |
| ACCESSIONS | 107.689 | 142.299 | 128.479 | 124.045 | 130.720 | 128.799 | 127.196 | 127.603 | 126.739 | 126.621 | 129.732 | 132.029 | | |
| DELTA(BASE) | 0.0 | -3.186 | -2.930 | -3.115 | -4.104 | -4.090 | -4.067 | -4.489 | -4.705 | -5.133 | -5.261 | -4.821 | | |
| YOS 5 TO 30+ | | | | | | | | | | | | | | |
| STRENGTH | 300.282 | 308.831 | 312.426 | 307.343 | 301.135 | 305.709 | 305.912 | 305.703 | 308.055 | 309.205 | 303.376 | 293.357 | | |
| DELTA(BASE) | 0.0 | 1.408 | 4.004 | 6.278 | 8.023 | 9.026 | 9.787 | 10.462 | 11.036 | 11.946 | 13.235 | 12.449 | | |
| YOS 5 TO 20 | | | | | | | | | | | | | | |
| STRENGTH | 282.363 | 292.810 | 297.613 | 293.458 | 287.293 | 291.877 | 291.155 | 291.566 | 294.452 | 293.811 | 282.180 | 271.465 | | |
| DELTA(BASE) | -0.000 | 1.719 | 4.403 | 6.504 | 8.260 | 9.446 | 10.524 | 11.532 | 12.423 | 12.931 | 13.857 | 12.074 | | |
| YOS 21 TO 30 | | | | | | | | | | | | | | |
| STRENGTH | 17.858 | 15.933 | 14.716 | 13.817 | 13.759 | 13.729 | 14.631 | 14.000 | 13.481 | 15.278 | 21.124 | 21.786 | | |
| DELTA(BASE) | -0.000 | -0.320 | -0.348 | -0.236 | -0.267 | -0.472 | -0.831 | -1.139 | -1.447 | -1.037 | -0.848 | 0.334 | | |

Table L. D-11
Transition Case 5

| FILE: ARMYE | 5062CAS2 AT | VM/SP CONVERSATIONAL MONITOR SYSTEM | | | | | | | | | | PAGE 001 |
|----------------|-------------|-------------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|
| FILE: F5062-1A | SCENARIO: 2 | | | | | | | | | | | |
| YEAR: | 1 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 15 | 20 | |
| ACCESSIONS | 107.689 | 131.581 | 127.037 | 134.575 | 132.502 | 130.791 | 131.371 | 130.474 | 130.720 | 133.593 | 135.167 | |
| DELTA(BASE) | 0.0 | 0.172 | -0.123 | -0.249 | -0.347 | -0.472 | -0.721 | -0.970 | -1.034 | -1.400 | -1.683 | |
| YOS 5 TO 30+ | 300.282 | 307.148 | 300.093 | 292.306 | 296.434 | 296.292 | 295.836 | 298.208 | 298.943 | 293.038 | 284.875 | |
| STRENGTH | 0.0 | -1.214 | -1.012 | -0.806 | -0.249 | 0.167 | 0.595 | 1.189 | 1.684 | 2.897 | 3.947 | |
| DELTA(BASE) | 0.0 | 0.773 | 1.340 | 1.837 | 2.751 | 3.655 | 4.459 | 5.327 | 5.649 | 6.378 | 5.969 | |
| YOS 5 TO 20 | 282.363 | 294.113 | 288.264 | 280.870 | 285.182 | 284.286 | 284.453 | 287.356 | 286.529 | 274.701 | 265.360 | |
| STRENGTH | -0.000 | 0.123 | 1.340 | 1.837 | 2.751 | 3.655 | 4.459 | 5.327 | 5.649 | 6.378 | 5.969 | |
| DELTA(BASE) | -0.000 | 0.123 | 1.340 | 1.837 | 2.751 | 3.655 | 4.459 | 5.327 | 5.649 | 6.378 | 5.969 | |
| YOS 21 TO 30 | 17.858 | 13.061 | 11.722 | 11.377 | 11.185 | 11.927 | 11.259 | 10.781 | 12.354 | 18.303 | 19.410 | |
| STRENGTH | -0.000 | -2.003 | -2.331 | -2.649 | -3.016 | -3.505 | -3.880 | -4.147 | -3.565 | -3.469 | -2.042 | |
| DELTA(BASE) | -0.000 | -2.003 | -2.331 | -2.649 | -3.016 | -3.505 | -3.880 | -4.147 | -3.565 | -3.469 | -2.042 | |

Table L. D-12
Transition Case 1

| FILE: NAVYE | TRN7CASO AT | VM/SP CONVERSATIONAL MONITOR SYSTEM | | | | | | | | | | PAGE 001 |
|----------------|-------------|-------------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|
| FILE: ETRN7YRM | SCENARIO: 0 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 15 | 20 |
| YEAR: | 1 | | | | | | | | | | | |
| ACCESSIONS | 68.969 | 89.808 | 89.338 | 87.420 | 83.931 | 87.818 | 87.333 | 87.327 | 86.696 | 87.911 | 89.092 | 89.353 |
| DELTA(BASE) | 0.0 | 20.839 | 20.369 | 18.451 | 15.962 | 18.849 | 18.364 | 18.358 | 17.727 | 18.942 | 20.123 | 20.384 |
| YOS 5 TO 30+ | | | | | | | | | | | | |
| STRENGTH | 218.160 | 212.110 | 208.169 | 206.374 | 199.562 | 200.428 | 201.282 | 200.859 | 199.559 | 195.186 | 195.168 | 192.179 |
| PERCENT | 0.0 | -0.0277 | -0.0458 | -0.0540 | -0.0852 | -0.0813 | -0.0774 | -0.0793 | -0.0853 | -0.0870 | -0.1054 | -0.1191 |
| DELTA(BASE) | 0.0 | -6.050 | -9.991 | -11.786 | -18.598 | -17.732 | -16.878 | -17.301 | -18.601 | -18.974 | -22.992 | -25.981 |
| YOS 5 TO 20 | | | | | | | | | | | | |
| STRENGTH | 203.621 | 198.482 | 195.370 | 193.893 | 187.963 | 189.529 | 190.300 | 189.755 | 188.527 | 187.898 | 182.804 | 179.941 |
| PERCENT | 0.0 | -0.0252 | -0.0405 | -0.0478 | -0.0769 | -0.0692 | -0.0654 | -0.0681 | -0.0741 | -0.0772 | -0.1022 | -0.1163 |
| DELTA(BASE) | 0.0 | -5.139 | -8.251 | -9.728 | -15.658 | -14.092 | -13.321 | -13.866 | -15.094 | -15.723 | -20.817 | -23.680 |
| YOS 21 TO 30 | | | | | | | | | | | | |
| STRENGTH | 14.290 | 13.459 | 12.633 | 12.275 | 11.400 | 10.712 | 10.787 | 10.906 | 10.814 | 11.065 | 12.219 | 12.068 |
| PERCENT | 0.0 | -0.0582 | -0.1160 | -0.1410 | -0.2022 | -0.2504 | -0.2451 | -0.2368 | -0.2432 | -0.2257 | -0.1449 | -0.1555 |
| DELTA(BASE) | 0.0 | -0.831 | -1.657 | -2.015 | -2.890 | -3.578 | -3.503 | -3.384 | -3.476 | -3.225 | -2.071 | -2.222 |

Table L. D-13
Transition Case 2

| FILE: NAVVE | | IRN7CAS2 A1 | | VM/SP CONVERSATIONAL MONITOR SYSTEM | | | | | | | | | | | PAGE 001 | |
|----------------|--|-------------|--|-------------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|--|----------|--|
| FILE: EIRN7YRN | | SCENARIO: 2 | | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 15 | 20 | | | |
| YEAR: | | 1 | | | | | | | | | | | | | | |
| ACCESSIONS | | 68.969 | | 91.677 | 89.063 | 85.581 | 90.001 | 89.556 | 89.631 | 89.027 | 90.389 | 91.540 | 91.566 | | | |
| DELTA(BASE) | | 0.0 | | 1.869 | 1.643 | 1.650 | 2.183 | 2.223 | 2.304 | 2.331 | 2.478 | 2.448 | 2.213 | | | |
| YOS 5 TO 30* | | 218.160 | | 204.934 | 201.924 | 194.204 | 194.673 | 195.052 | 194.108 | 192.371 | 191.740 | 187.298 | 185.042 | | | |
| STRENGTH | | -0.000 | | -3.235 | -4.450 | -5.359 | -5.755 | -6.230 | -6.751 | -7.188 | -7.446 | -7.870 | -7.137 | | | |
| DELTA(BASE) | | -1.773 | | | | | | | | | | | | | | |
| YOS 5 TO 20 | | 203.621 | | 192.674 | 190.085 | 183.261 | 184.485 | 184.881 | 183.952 | 182.416 | 181.656 | 176.754 | 174.961 | | | |
| STRENGTH | | -0.000 | | -2.696 | -3.808 | -4.702 | -5.044 | -5.419 | -5.803 | -6.111 | -6.242 | -6.050 | -4.980 | | | |
| DELTA(BASE) | | -1.417 | | | | | | | | | | | | | | |
| YOS 21 TO 30 | | 14.290 | | 12.074 | 11.637 | 10.717 | 9.948 | 9.911 | 9.890 | 9.670 | 9.891 | 10.383 | 9.896 | | | |
| STRENGTH | | 0.0 | | -0.559 | -0.668 | -0.683 | -0.764 | -0.976 | -1.016 | -1.144 | -1.264 | -1.836 | -2.172 | | | |
| DELTA(BASE) | | | | | | | | | | | | | | | | |

Table L. D-14
Transition Case 3

| FILE: NAVVE | IRN7CAS3 AT | VM/SP CONVERSATIONAL MONITOR SYSTEM | | | | | | | | | | PAGE 001 |
|----------------|-------------|-------------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|
| FILE: EIRN7YRN | SCENARIO: 3 | | | | | | | | | | | |
| YEAR: | 1 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 15 | 20 | |
| ACCESSIONS | 68.969 | 93.555 | 90.672 | 87.224 | 92.105 | 91.646 | 91.737 | 91.142 | 92.631 | 93.719 | 93.560 | |
| DELTA(BASE) | 0.0 | 3.747 | 3.252 | 3.293 | 4.287 | 4.313 | 4.410 | 4.446 | 4.720 | 4.627 | 4.207 | |
| YOS 5 TO 30+ | | | | | | | | | | | | |
| STRENGTH | 218.160 | 208.584 | 197.554 | 188.936 | 190.488 | 189.102 | 187.782 | 185.770 | 185.001 | 180.354 | 178.680 | |
| DELTA(BASE) | -0.000 | -3.526 | -8.820 | -10.626 | -11.340 | -12.180 | -13.077 | -13.789 | -14.185 | -14.814 | -13.499 | |
| YOS 5 TO 20 | | | | | | | | | | | | |
| STRENGTH | 203.621 | 195.805 | 186.690 | 179.071 | 180.056 | 180.175 | 178.952 | 177.193 | 176.371 | 171.649 | 170.671 | |
| DELTA(BASE) | -0.000 | -2.677 | -7.203 | -8.892 | -9.473 | -10.125 | -10.803 | -11.334 | -11.527 | -11.155 | -9.270 | |
| YOS 21 TO 30 | | | | | | | | | | | | |
| STRENGTH | 14.290 | 12.582 | 10.612 | 9.619 | 8.776 | 8.656 | 8.560 | 8.292 | 8.361 | 8.568 | 7.859 | |
| DELTA(BASE) | 0.0 | -0.877 | -1.603 | -1.781 | -1.936 | -2.131 | -2.346 | -2.522 | -2.704 | -3.651 | -4.209 | |

Table L. D-15
Transition Case 4

| FILE: NAVYE | 7562CAS2 A1 | VM/SP CONVERSATIONAL MONITOR SYSTEM | | | | | | | | | | PAGE 001 |
|----------------|--------------|-------------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|
| FILE: E7562-IN | SCENAR: 0: 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 15 | 20 | |
| YEAR: | 1 | | | | | | | | | | | |
| ACCESSIONS | 68.969 | 88.530 | 86.588 | 82.935 | 86.513 | 85.967 | 85.916 | 85.202 | 86.513 | 87.382 | 87.614 | |
| DELTA(BASE) | 0.0 | -0.808 | -0.832 | -0.996 | -1.305 | -1.366 | -1.411 | -1.494 | -1.308 | -1.710 | -1.739 | |
| YOS 5 TO 30+ | | | | | | | | | | | | |
| STRENGTH | 218.160 | 209.329 | 213.211 | 202.015 | 203.382 | 204.703 | 204.722 | 203.761 | 203.435 | 200.226 | 197.430 | |
| DELTA(BASE) | -0.000 | 1.160 | 1.837 | 2.453 | 2.954 | 3.421 | 3.863 | 4.202 | 4.249 | 5.058 | 5.251 | |
| YOS 5 TO 20 | | | | | | | | | | | | |
| STRENGTH | 203.621 | 197.069 | 196.372 | 191.072 | 193.193 | 194.332 | 194.565 | 193.805 | 193.367 | 188.674 | 185.167 | |
| DELTA(BASE) | -0.000 | 1.699 | 2.479 | 3.109 | 3.664 | 4.232 | 4.810 | 5.278 | 5.469 | 5.870 | 5.226 | |
| YOS 21 TO 30 | | | | | | | | | | | | |
| STRENGTH | 14.290 | 12.074 | 11.607 | 10.717 | 9.949 | 9.911 | 9.891 | 9.671 | 9.785 | 11.391 | 11.995 | |
| DELTA(BASE) | 0.0 | -0.559 | -0.668 | -0.683 | -0.763 | -0.876 | -1.015 | -1.143 | -1.280 | -0.828 | -0.073 | |

Table L. D-16
Transition Case 5

| FILE: NAVYE | 5062CASE2 A1 | VM/SP CONVERSATIONAL MONITOR SYSTEM | | | | | | | | | | PAGE 001 |
|----------------|--------------|-------------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|
| FILE: E5062-1N | SCENARIO: 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 15 | 20 | |
| YEAR: | 1 | | | | | | | | | | | |
| ACCESSIONS | 68.969 | 90.709 | 89.972 | 87.904 | 84.233 | 82.162 | 87.564 | 87.494 | 86.768 | 88.402 | 89.070 | |
| DELTA(BASE) | 0.0 | 0.901 | 0.634 | 0.484 | 0.302 | 0.344 | 0.231 | 0.167 | 0.072 | 0.491 | -0.283 | |
| YOS 5 TO 30+ | 218.160 | 211.119 | 206.649 | 204.567 | 197.716 | 198.972 | 200.123 | 199.944 | 198.853 | 195.433 | 193.281 | |
| STRENGTH | -0.000 | -0.991 | -1.520 | -1.807 | -1.846 | -1.456 | -1.159 | -0.915 | -0.706 | 0.265 | 1.102 | |
| DELTA(BASE) | | | | | | | | | | | | |
| YOS 5 TO 20 | 203.621 | 192.340 | 195.174 | 193.702 | 187.851 | 189.939 | 191.196 | 191.113 | 190.273 | 189.760 | 181.867 | |
| STRENGTH | -0.000 | -0.142 | -0.196 | -0.191 | -0.112 | 0.410 | 0.896 | 1.358 | 1.746 | 2.188 | 1.926 | |
| DELTA(BASE) | | | | | | | | | | | | |
| YOS 21 TO 30 | 14.290 | 12.582 | 11.272 | 10.613 | 9.619 | 8.777 | 8.656 | 8.561 | 8.295 | 10.304 | 11.172 | |
| STRENGTH | 0.0 | -0.877 | -1.361 | -1.662 | -1.781 | -1.935 | -2.131 | -2.345 | -2.519 | -1.915 | -0.896 | |
| DELTA(BASE) | | | | | | | | | | | | |

Table L. D-17
Transition Case 1

| FILE: USMCE | TRN7CAS0 A1 | VM/SP CONVERSATIONAL MONITOR SYSTEM | | | | | | | | | | PAGE 001 |
|----------------|-------------|-------------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|
| FILE: ETRN7YRM | SCENARIO: 0 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 15 | 20 |
| YEAR: | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 15 | 20 |
| ACCESSIONS | 31.691 | 38.383 | 39.858 | 38.076 | 37.083 | 38.587 | 38.663 | 38.130 | 38.055 | 38.368 | 38.732 | 39.072 |
| DELTA(BASE) | 0.0 | 7.192 | 8.177 | 6.395 | 5.392 | 6.896 | 6.972 | 6.439 | 6.364 | 6.677 | 7.041 | 7.381 |
| YOS 5 TO 30+ | | | | | | | | | | | | |
| STRENGTH | 57.623 | 57.862 | 56.944 | 56.261 | 54.337 | 54.543 | 54.802 | 54.694 | 54.402 | 54.499 | 53.657 | 52.019 |
| PERCENT | 0.0 | -0.0097 | -0.0118 | -0.0236 | -0.0560 | -0.0535 | -0.0490 | -0.0508 | -0.0559 | -0.0542 | -0.0688 | -0.0973 |
| DELTA(BASE) | 0.0 | -0.561 | -0.679 | -1.362 | -3.226 | -3.080 | -2.821 | -2.929 | -3.221 | -3.124 | -3.966 | -5.604 |
| YOS 5 TO 20 | | | | | | | | | | | | |
| STRENGTH | 54.499 | 54.332 | 54.405 | 53.885 | 51.992 | 52.164 | 52.260 | 52.022 | 51.596 | 51.576 | 49.833 | 48.123 |
| PERCENT | 0.0 | -0.0031 | -0.0017 | -0.0113 | -0.0460 | -0.0428 | -0.0411 | -0.0455 | -0.0533 | -0.0536 | -0.0856 | -0.1170 |
| DELTA(BASE) | 0.0 | -0.167 | -0.094 | -0.614 | -2.507 | -2.335 | -2.239 | -2.477 | -2.903 | -2.923 | -4.666 | -6.376 |
| YOS 21 TO 30 | | | | | | | | | | | | |
| STRENGTH | 3.056 | 2.667 | 2.482 | 2.329 | 2.353 | 2.332 | 2.494 | 2.625 | 2.752 | 2.875 | 3.791 | 3.849 |
| PERCENT | 0.0 | -0.1273 | -0.1876 | -0.2379 | -0.2300 | -0.2369 | -0.1839 | -0.1410 | -0.0995 | -0.0592 | 0.2405 | 0.2595 |
| DELTA(BASE) | 0.0 | -0.389 | -0.574 | -0.727 | -0.703 | -0.724 | -0.562 | -0.431 | -0.304 | -0.181 | 0.735 | 0.793 |

Table L. D-18
Transition Case 2

| FILE: USMCE | TRN/CAS2 A1 | VM/SP CONVERSATIONAL MONITOR SYSTEM | | | | | | | | | | PAGE 001 |
|----------------|-------------|-------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|----------|
| FILE: ETRN7/VM | SCENARIO: 2 | | | | | | | | | | | |
| YEAR: | 1 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 15 | 20 | |
| ACCESSIONS | 31.691 | 39.704 | 38.775 | 37.867 | 39.613 | 39.704 | 39.187 | 39.179 | 39.568 | 39.961 | 40.209 | |
| DELTA(BASE) | 0.0 | 0.821 | 0.699 | 0.784 | 1.026 | 1.041 | 1.057 | 1.124 | 1.200 | 1.229 | 1.137 | |
| YOS 5 TO 30+ | | | | | | | | | | | | |
| STRENGTH | 57.623 | 56.341 | 54.408 | 52.155 | 52.050 | 52.039 | 51.681 | 51.182 | 51.120 | 49.929 | 48.512 | |
| DELTA(BASE) | -0.000 | -0.721 | -1.853 | -2.242 | -2.493 | -2.763 | -3.013 | -3.220 | -3.379 | -3.728 | -3.507 | |
| YOS 5 TO 20 | | | | | | | | | | | | |
| STRENGTH | 54.499 | 53.657 | 52.109 | 49.839 | 49.795 | 49.670 | 49.257 | 48.689 | 48.573 | 46.791 | 45.495 | |
| DELTA(BASE) | 0.0 | -0.675 | -1.776 | -2.153 | -2.369 | -2.581 | -2.765 | -2.907 | -3.003 | -3.042 | -2.628 | |
| YOS 21 TO 30 | | | | | | | | | | | | |
| STRENGTH | 3.056 | 2.615 | 2.241 | 2.254 | 2.192 | 2.293 | 2.357 | 2.416 | 2.482 | 3.098 | 2.963 | |
| DELTA(BASE) | 0.0 | -0.052 | -0.088 | -0.099 | -0.140 | -0.201 | -0.268 | -0.336 | -0.393 | -0.693 | -0.886 | |

Table L. D-19
Transition Case 3

| FILE: USMCE | TRNTCASE AT | VM/SP CONVERSATIONAL MONITOR SYSTEM | | | | | | | | | | PAGE 001 |
|----------------|-------------|-------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|----------|
| FILE: ETRNTYRM | SCENARIO: 3 | | | | | | | | | | | |
| YEAR: | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 15 | 20 |
| ACCESSIONS | 31.691 | 40.496 | 41.297 | 39.438 | 38.609 | 40.563 | 40.682 | 40.128 | 40.172 | 40.621 | 41.022 | 41.207 |
| DELTA(BASE) | 0.0 | 1.613 | 1.409 | 1.362 | 1.526 | 1.976 | 1.979 | 1.998 | 2.117 | 2.253 | 2.290 | 2.135 |
| YOS 5 TO 30+ | | | | | | | | | | | | |
| STRENGTH | 57.623 | 55.651 | 54.314 | 52.653 | 50.437 | 49.735 | 49.513 | 49.971 | 48.319 | 48.165 | 46.718 | 45.503 |
| DELTA(BASE) | -0.000 | -1.411 | -2.630 | -3.608 | -4.360 | -4.808 | -5.289 | -5.723 | -6.083 | -6.334 | -6.939 | -6.516 |
| YOS 5 TO 20 | | | | | | | | | | | | |
| STRENGTH | 54.499 | 53.052 | 51.981 | 50.527 | 47.927 | 47.715 | 47.431 | 46.866 | 46.187 | 46.017 | 44.232 | 43.253 |
| DELTA(BASE) | 0.0 | -1.280 | -2.424 | -3.358 | -4.065 | -4.409 | -4.829 | -5.156 | -5.409 | -5.559 | -5.681 | -4.870 |
| YOS 21 TO 30 | | | | | | | | | | | | |
| STRENGTH | 3.056 | 2.524 | 2.259 | 2.061 | 2.039 | 1.948 | 2.007 | 2.030 | 2.050 | 2.080 | 2.452 | 2.203 |
| DELTA(BASE) | 0.0 | -0.143 | -0.223 | -0.268 | -0.314 | -0.384 | -0.487 | -0.595 | -0.702 | -0.795 | -1.339 | -1.646 |

Table L. D-20
Transition Case 4

| FILE: USMCE 7562CAS2 A1 | | | VM/SP CONVERSATIONAL MONITOR SYSTEM | | | | | | | | | | PAGE 001 | |
|----------------------------|--------|--------|-------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|----------|--|
| FILE: E7562-1M SCENARIO: 2 | | | | | | | | | | | | | | |
| YEAR: | | | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 15 | 20 | | |
| ACCESSIONS | 31.691 | 38.188 | 39.293 | 37.535 | 36.479 | 37.777 | 37.871 | 37.324 | 37.186 | 37.428 | 37.651 | 37.960 | | |
| DELTA(BASE) | 0.0 | -0.695 | -0.575 | -0.541 | -0.604 | -0.810 | -0.792 | -0.806 | -0.869 | -0.940 | -1.081 | -1.112 | | |
| YOS 5 TO 30+ | | | | | | | | | | | | | | |
| STRENGTH | 57.623 | 57.529 | 57.882 | 57.584 | 55.993 | 56.303 | 56.763 | 56.838 | 56.712 | 56.932 | 56.607 | 55.191 | | |
| DELTA(BASE) | -0.000 | 0.467 | 0.938 | 1.323 | 1.596 | 1.760 | 1.961 | 2.144 | 2.310 | 2.433 | 2.950 | 3.172 | | |
| YOS 5 TO 20 | | | | | | | | | | | | | | |
| STRENGTH | 54.499 | 54.845 | 55.410 | 55.285 | 53.677 | 54.043 | 54.402 | 54.414 | 54.219 | 54.301 | 52.839 | 50.877 | | |
| DELTA(BASE) | 0.0 | 0.513 | 1.005 | 1.400 | 1.685 | 1.884 | 2.112 | 2.392 | 2.623 | 2.725 | 3.006 | 2.754 | | |
| YOS 21 TO 30 | | | | | | | | | | | | | | |
| STRENGTH | 3.056 | 2.615 | 2.406 | 2.241 | 2.254 | 2.192 | 2.294 | 2.357 | 2.416 | 2.566 | 3.728 | 4.226 | | |
| DELTA(BASE) | 0.0 | -0.052 | -0.076 | -0.098 | -0.099 | -0.140 | -0.200 | -0.268 | -0.336 | -0.309 | -0.063 | 0.377 | | |

Table L. D-21
Transition Case 5

| FILE: USMCC 5062CAS2 A1 | | | VM/SP CONVERSATIONAL MONITOR SYSTEM | | | | | | | | | | PAGE 001 |
|----------------------------|--|--|-------------------------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|----------|
| FILE: F5062-1M SCENARIO: 2 | | | | | | | | | | | | | |
| YEAR: 1 2 | | | | | | | | | | | | | |
| ACCESSIONS 31.691 38.968 | | | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 15 | 20 | |
| DELTA(BASE) 0.0 0.085 | | | 39.957
0.089 | 38.142
0.066 | 37.145
0.062 | 38.622
0.035 | 38.697
0.034 | 38.134
0.004 | 38.028
-0.027 | 38.391
0.023 | 38.568
-0.164 | 38.792
-0.280 | |
| YOS 5 TO 30+ | | | | | | | | | | | | | |
| STRENGTH 57.623 56.887 | | | 56.683
-0.261 | 55.958
-0.303 | 54.064
-0.333 | 54.250
-0.293 | 54.554
-0.248 | 54.498
-0.196 | 54.277
-0.125 | 54.374
-0.125 | 53.975
0.318 | 52.787
0.768 | |
| DELTA(BASE) -0.000 -0.175 | | | | | | | | | | | | | |
| YOS 5 TO 20 | | | | | | | | | | | | | |
| STRENGTH 54.499 54.288 | | | 54.350
-0.055 | 53.832
-0.053 | 51.954
-0.038 | 52.230
0.066 | 52.472
0.212 | 52.393
0.371 | 52.145
0.549 | 52.160
0.584 | 50.518
0.685 | 48.744
0.621 | |
| DELTA(BASE) 0.0 -0.044 | | | | | | | | | | | | | |
| YOS 21 TO 30 | | | | | | | | | | | | | |
| STRENGTH 3.056 2.524 | | | 2.259
-0.223 | 2.061
-0.268 | 2.039
-0.314 | 1.948
-0.384 | 2.007
-0.487 | 2.030
-0.595 | 2.050
-0.702 | 2.146
-0.729 | 3.423
-0.368 | 3.959
0.110 | |
| DELTA(BASE) 0.0 -0.143 | | | | | | | | | | | | | |

Table L. D-22
Transition Case I

| FILE: USAF | | | VM/SP CONVERSATIONAL MONITOR SYSTEM | | | | | | | | | | PAGE 001 | |
|----------------|--|--|-------------------------------------|--|--|--|--|--|--|--|--|--|----------|--|
| FILE: ETRN7YRF | | | SCENARIO: 0 | | | | | | | | | | | |
| YEAR: | | | 1 | | | | | | | | | | | |
| ACCESSIONS | | | 61.718 | | | | | | | | | | | |
| DELTA(BASE) | | | 0.0 | | | | | | | | | | | |
| YOS 5 TO 30+ | | | 246.747 | | | | | | | | | | | |
| STRENGTH | | | 250.961 | | | | | | | | | | | |
| PERCENT | | | 0.0 | | | | | | | | | | | |
| DELTA(BASE) | | | 0.0 | | | | | | | | | | | |
| YOS 5 TO 20 | | | 223.881 | | | | | | | | | | | |
| STRENGTH | | | 225.502 | | | | | | | | | | | |
| PERCENT | | | 0.0 | | | | | | | | | | | |
| DELTA(BASE) | | | 0.0 | | | | | | | | | | | |
| YOS 21 TO 30 | | | 22.719 | | | | | | | | | | | |
| STRENGTH | | | 25.198 | | | | | | | | | | | |
| PERCENT | | | 0.0 | | | | | | | | | | | |
| DELTA(BASE) | | | 0.0 | | | | | | | | | | | |

Table L. D-23
Transition Case 2

| FILE: USAF TRN7CAS2 A1 | | | VM/SP CONVERSATIONAL MONITOR SYSTEM | | | | | | | | | | PAGE 001 | |
|----------------------------|--|--|-------------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|--|
| FILE: ETRN7YRF SCENARIO: 2 | | | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 15 | 20 | | |
| YEAR: 1 | | | | | | | | | | | | | | |
| ACCESSIONS 61.718 70.568 | | | 71.789 | 71.571 | 68.958 | 70.932 | 72.391 | 72.968 | 70.883 | 72.546 | 72.456 | 72.873 | | |
| DELTA(BASE) -0.000 1.452 | | | 1.428 | 1.396 | 1.275 | 1.697 | 1.954 | 2.119 | 1.984 | 2.196 | 2.132 | 1.749 | | |
| YOS 5 TO 30+ | | | | | | | | | | | | | | |
| STRENGTH 250.961 245.245 | | | 242.202 | 241.966 | 237.766 | 237.438 | 236.431 | 234.802 | 233.882 | 232.614 | 231.312 | 230.154 | | |
| DELTA(BASE) 0.0 -1.502 | | | -2.797 | -3.893 | -4.718 | -4.992 | -5.509 | -6.146 | -6.645 | -7.045 | -7.061 | -6.181 | | |
| YOS 5 TO 20 | | | | | | | | | | | | | | |
| STRENGTH 225.502 222.791 | | | 222.166 | 223.790 | 219.824 | 219.688 | 217.769 | 215.707 | 216.413 | 214.308 | 213.821 | 212.941 | | |
| DELTA(BASE) 0.0 -1.090 | | | -2.076 | -2.982 | -3.747 | -3.935 | -4.154 | -4.417 | -4.737 | -4.827 | -4.494 | -3.181 | | |
| YOS 21 TO 30 | | | | | | | | | | | | | | |
| STRENGTH 25.198 22.287 | | | 19.824 | 17.977 | 17.786 | 17.595 | 18.530 | 18.968 | 17.324 | 18.153 | 17.399 | 17.103 | | |
| DELTA(BASE) 0.0 -0.432 | | | -0.753 | -0.943 | -0.997 | -1.119 | -1.412 | -1.786 | -1.971 | -2.279 | -2.596 | -3.033 | | |

L-D-24

Table L. D-24
Transition Case 3

| FILE: USAF | TRN7CAS3 AT | VM/SP CONVERSATIONAL MONITOR SYSTEM | | | | | | | | | | PAGE 001 |
|----------------|-------------|-------------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|
| FILE: ETRN7VRF | SCENARIO: 3 | | | | | | | | | | | |
| YEAR: | 1 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 15 | 20 | |
| ACCESSIONS | 61.718 | 73.439 | 73.053 | 70.421 | 72.893 | 74.347 | 74.889 | 72.700 | 74.582 | 74.338 | 74.480 | |
| DELTA(BASE) | -0.000 | 3.678 | 2.878 | 2.738 | 3.678 | 3.910 | 4.040 | 3.851 | 4.232 | 4.014 | 3.356 | |
| YOS 5 TO 30+ | | | | | | | | | | | | |
| STRENGTH | 250.961 | 238.802 | 237.478 | 232.345 | 231.891 | 230.579 | 228.611 | 227.492 | 226.126 | 224.764 | 224.441 | |
| DELTA(BASE) | 0.0 | -6.190 | -8.381 | -10.139 | -10.539 | -11.361 | -12.337 | -13.035 | -13.533 | -13.609 | -11.894 | |
| YOS 5 TO 20 | | | | | | | | | | | | |
| STRENGTH | 225.502 | 220.331 | 221.142 | 216.493 | 215.429 | 214.427 | 212.172 | 212.669 | 210.643 | 210.367 | 210.569 | |
| DELTA(BASE) | 0.0 | -3.911 | -5.630 | -7.078 | -7.194 | -7.496 | -7.952 | -8.481 | -8.532 | -7.948 | -5.553 | |
| YOS 21 TO 30 | | | | | | | | | | | | |
| STRENGTH | 25.198 | 18.237 | 16.110 | 15.675 | 15.293 | 16.010 | 16.306 | 14.679 | 15.381 | 14.322 | 13.784 | |
| DELTA(BASE) | 0.0 | -2.340 | -2.810 | -3.108 | -3.421 | -3.932 | -4.448 | -4.616 | -5.051 | -5.673 | -6.352 | |

Table L. D-25
Transition Case 4

| FILE: USAFE | 7562CASE2 AT | VM/SP CONVERSATIONAL MONITOR SYSTEM | | | | | | | | | | PAGE (001) |
|----------------|--------------|-------------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|------------|
| FILE: ET562-1F | SCENARIO: 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 15 | 20 | |
| YEAR: | 1 | | | | | | | | | | | |
| ACCESSIONS | 61.718 | 67.974 | 69.138 | 68.809 | 66.283 | 67.449 | 68.726 | 69.108 | 68.633 | 68.036 | 69.010 | |
| DELTA(BASE) | -0.000 | -1.142 | -1.223 | -1.366 | -1.400 | -1.786 | -1.711 | -1.741 | -1.954 | -2.288 | -2.114 | |
| YOS 5 TO 30* | | | | | | | | | | | | |
| STRENGTH | 250.961 | 247.144 | 249.103 | 246.729 | 247.259 | 247.153 | 246.458 | 246.482 | 245.538 | 245.619 | 243.651 | |
| DELTA(BASE) | 0.0 | 1.088 | 3.244 | 4.245 | 4.829 | 5.213 | 5.510 | 5.955 | 5.879 | 7.246 | 7.316 | |
| YOS 5 TO 20 | | | | | | | | | | | | |
| STRENGTH | 225.502 | 227.107 | 230.927 | 228.787 | 229.509 | 228.492 | 227.362 | 229.013 | 227.366 | 228.041 | 224.736 | |
| DELTA(BASE) | 0.0 | 1.499 | 4.155 | 5.216 | 5.886 | 6.569 | 7.238 | 7.863 | 8.231 | 9.726 | 8.614 | |
| YOS 21 TO 30 | | | | | | | | | | | | |
| STRENGTH | 25.198 | 19.825 | 17.977 | 17.786 | 17.595 | 18.529 | 18.969 | 17.324 | 18.019 | 17.486 | 18.695 | |
| DELTA(BASE) | 0.0 | -0.752 | -0.943 | -0.997 | -1.119 | -1.413 | -1.785 | -1.971 | -2.413 | -2.509 | -1.441 | |

Table L. D-26
Transition Case 5

| FILE: USAF | 5062CAS2 A: | VR/SP CONVERSATIONAL MONITOR SYSTEM | | | | | | | | | | PAGE 001 |
|----------------|-------------|-------------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|
| FILE: E5062-1F | SCENARIO: 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 15 | 20 | |
| YEAR: | 1 | | | | | | | | | | | |
| ACCESSIONS | 61.718 | 70.072 | 70.903 | 67.830 | 69.452 | 70.729 | 71.067 | 68.781 | 70.990 | 69.522 | 70.288 | |
| DELTA(BASE) | -0.000 | 0.956 | 0.542 | 0.147 | 0.217 | 0.292 | 0.218 | -0.118 | 0.640 | -0.602 | -0.836 | |
| YOS 5 TO 30* | | | | | | | | | | | | |
| STRENGTH | 250.961 | 245.738 | 243.527 | 244.305 | 240.954 | 241.433 | 240.101 | 239.977 | 238.652 | 240.656 | 239.686 | |
| DELTA(BASE) | 0.0 | -1.609 | -1.472 | -1.554 | -1.530 | -0.997 | -0.863 | -0.550 | -1.007 | 2.283 | 3.351 | |
| YOS 5 TO 20 | | | | | | | | | | | | |
| STRENGTH | 225.502 | 224.297 | 225.049 | 227.969 | 225.102 | 225.970 | 223.663 | 225.155 | 223.457 | 224.021 | 221.044 | |
| DELTA(BASE) | 0.0 | 0.416 | 0.807 | 1.197 | 1.531 | 2.347 | 3.004 | 4.005 | 4.322 | 5.706 | 4.922 | |
| YOS 21 TO 30 | | | | | | | | | | | | |
| STRENGTH | 25.198 | 21.258 | 18.237 | 16.110 | 15.675 | 15.294 | 16.008 | 14.678 | 15.053 | 16.560 | 18.416 | |
| DELTA(BASE) | 0.0 | -1.461 | -2.340 | -2.810 | -3.108 | -3.420 | -3.934 | -4.617 | -5.379 | -3.435 | -1.720 | |

Table L. D-27
Transition Case I

| FILE: DODO | TRN/CASO A: | VM/SP CONVERSATIONAL MONITOR SYSTEM | | | | | | | | | | PAGE 001 |
|----------------|-------------|-------------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|
| DOD FILE: TRN7 | 1 | SCENARIO: 0 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 15 | 20 |
| YEAR: | | | | | | | | | | | | |
| ACCESSIONS | 21.385 | 23.790 | 26.848 | 26.824 | 26.884 | 27.015 | 27.027 | 27.162 | 27.054 | 26.920 | 26.559 | 25.706 |
| DELTA(BASE) | 0.0 | 2.405 | 5.463 | 5.439 | 5.499 | 5.630 | 5.642 | 5.777 | 5.669 | 5.535 | 5.174 | 4.321 |
| YOS 5 TO 30+ | | | | | | | | | | | | |
| STRENGTH | 196.380 | 191.858 | 164.218 | 179.436 | 174.829 | 172.174 | 171.999 | 171.688 | 171.552 | 171.667 | 173.069 | 175.737 |
| PERCENT | 0.0 | -0.0230 | -0.0619 | -0.0863 | -0.1097 | -0.1233 | -0.1242 | -0.1257 | -0.1264 | -0.1258 | -0.1187 | -0.1051 |
| DELTA(BASE) | 0.0 | -4.522 | -12.162 | -16.944 | -21.551 | -24.206 | -24.381 | -24.692 | -24.828 | -24.713 | -23.311 | -20.683 |
| YOS 5 TO 20 | | | | | | | | | | | | |
| STRENGTH | 166.540 | 163.699 | 155.598 | 150.878 | 146.298 | 144.005 | 144.311 | 144.496 | 145.442 | 146.742 | 152.394 | 157.820 |
| PERCENT | 0.0 | -0.0171 | -0.0657 | -0.0940 | -0.1215 | -0.1353 | -0.1335 | -0.1324 | -0.1267 | -0.1189 | -0.0849 | -0.0524 |
| DELTA(BASE) | 0.0 | -2.841 | -10.942 | -15.662 | -20.242 | -22.535 | -22.229 | -22.044 | -21.098 | -19.798 | -14.146 | -8.720 |
| YOS 21 TO 30 | | | | | | | | | | | | |
| STRENGTH | 28.882 | 27.188 | 27.736 | 27.741 | 27.748 | 27.405 | 26.960 | 26.482 | 25.370 | 24.202 | 19.994 | 17.373 |
| PERCENT | 0.0 | -0.0587 | -0.0397 | -0.0395 | -0.0393 | -0.0511 | -0.0665 | -0.0831 | -0.1216 | -0.1620 | -0.3077 | -0.3985 |
| DELTA(BASE) | 0.0 | -1.694 | -1.146 | -1.141 | -1.134 | -1.477 | -1.922 | -2.400 | -3.512 | -4.680 | -8.688 | -11.509 |

Table L. D-28
Transition Case 2

| FILE: D000 | TRN7CAS2 A1 | VM/SP CONVERSATIONAL MONITOR SYSTEM | | | | | | | | | | PAGE 001 |
|-------------------------|-------------|-------------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|
| DOD FILE: TRN7
YEAR: | 1 | SCENARIO: 2
2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 15 | 20 |
| ACCESSIONS | 21.385 | 24.239 | 27.486 | 27.550 | 27.620 | 27.862 | 27.937 | 28.118 | 27.901 | 27.795 | 27.458 | 26.568 |
| DELTA(BASE) | 0.0 | 0.449 | 0.638 | 0.726 | 0.736 | 0.847 | 0.910 | 0.956 | 0.847 | 0.875 | 0.899 | 0.862 |
| YOS 5 TO 30+ | | | | | | | | | | | | |
| STRENGTH | 196.380 | 191.526 | 183.334 | 177.919 | 172.726 | 169.733 | 169.314 | 168.792 | 168.582 | 168.679 | 170.149 | 172.764 |
| DELTA(BASE) | -0.000 | -0.332 | -0.884 | -1.517 | -2.103 | -2.441 | -2.685 | -2.896 | -2.970 | -2.988 | -2.920 | -2.973 |
| YOS 5 TO 20 | | | | | | | | | | | | |
| STRENGTH | 166.540 | 163.062 | 154.233 | 148.816 | 143.631 | 141.081 | 141.316 | 141.462 | 142.374 | 143.713 | 149.809 | 155.718 |
| DELTA(BASE) | 0.0 | -0.637 | -1.365 | -2.068 | -2.667 | -2.924 | -2.995 | -3.034 | -3.068 | -3.029 | -2.585 | -2.102 |
| YOS 21 TO 30 | | | | | | | | | | | | |
| STRENGTH | 28.882 | 27.330 | 27.918 | 27.934 | 27.930 | 27.406 | 26.748 | 26.074 | 24.899 | 23.678 | 19.177 | 16.130 |
| DELTA(BASE) | -0.000 | 0.142 | 0.182 | 0.193 | 0.182 | 0.001 | -0.212 | -0.403 | -0.471 | -0.524 | -0.817 | -1.243 |

Table L. D-29
Transition Case 3

| FILE: DDBO | TRN7CAS3 A1 | VM/SP CONVERSATIONAL MONITOR SYSTEM | | | | | | | | | | PAGE 001 |
|----------------------------------|-------------|-------------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|
| DDB FILE: TRN7
YEAR: | SCENARIO: 3 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 15 | 20 | |
| ACCESSIONS 21.385 | 25.429 | 28.593 | 28.616 | 28.691 | 28.933 | 28.990 | 29.171 | 28.924 | 28.783 | 28.369 | 27.441 | |
| DELTA(BASE) 0.0 | 1.637 | 1.745 | 1.792 | 1.867 | 1.918 | 1.963 | 2.009 | 1.870 | 1.863 | 1.810 | 1.735 | |
| YOS 5 TO 30+
STRENGTH 196.380 | 190.431 | 181.237 | 174.910 | 168.913 | 166.041 | 165.659 | 165.158 | 164.993 | 165.172 | 166.971 | 169.806 | |
| DELTA(BASE) -0.000 | -1.427 | -2.981 | -4.526 | -5.916 | -6.133 | -6.340 | -6.530 | -6.559 | -6.495 | -6.098 | -5.931 | |
| YOS 5 TO 20
STRENGTH 166.540 | 162.272 | 152.733 | 146.653 | 140.945 | 138.739 | 139.238 | 139.565 | 140.633 | 142.118 | 148.715 | 154.884 | |
| DELTA(BASE) 0.0 | -1.427 | -2.865 | -4.225 | -5.353 | -5.266 | -5.073 | -4.931 | -4.809 | -4.624 | -3.679 | -2.936 | |
| YOS 21 TO 30
STRENGTH 20.882 | 26.966 | 27.212 | 26.957 | 26.463 | 25.915 | 25.032 | 24.207 | 22.913 | 21.645 | 17.067 | 14.002 | |
| DELTA(BASE) -0.000 | -0.222 | -0.524 | -0.784 | -1.085 | -1.490 | -1.928 | -2.275 | -2.457 | -2.557 | -2.927 | -3.371 | |

Table L. D-30
Transition Case 4

| FILE: DOD | | | 7562CAS2 A1 | | | VM/SP CONVERSATIONAL MONITOR SYSTEM | | | | | | | | | | PAGE 001 | |
|----------------|--|--|-------------|--|--|-------------------------------------|--|--|--|--|--|--|--|--|--|----------|--|
| DOD FILE: 7562 | | | SCENARIO: 2 | | | | | | | | | | | | | | |
| YEAR: | | | 1 | | | | | | | | | | | | | | |
| ACCESSIONS | | | 21.385 | | | | | | | | | | | | | | |
| DELTA(BASE) | | | 0.0 | | | | | | | | | | | | | | |
| YOS 5 TO 30+ | | | 193.173 | | | | | | | | | | | | | | |
| STRENGTH | | | 196.380 | | | | | | | | | | | | | | |
| DELTA(BASE) | | | -0.000 | | | | | | | | | | | | | | |
| YOS 5 TO 20 | | | 163.750 | | | | | | | | | | | | | | |
| STRENGTH | | | 166.540 | | | | | | | | | | | | | | |
| DELTA(BASE) | | | 0.0 | | | | | | | | | | | | | | |
| YOS 21 TO 30 | | | 28.882 | | | | | | | | | | | | | | |
| STRENGTH | | | 25.221 | | | | | | | | | | | | | | |
| DELTA(BASE) | | | 1.033 | | | | | | | | | | | | | | |

Table L. D-31
Transition Case 5

| FILE: D000 | 5062CAS2 A1 | VM/SP CONVERSATIONAL MONITOR SYSTEM | | | | | | | | | | PAGE 001 |
|----------------|-------------|-------------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|
| DOD FILE: 5062 | SCENARIO: 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 15 | 20 | |
| YEAR: | 2 | | | | | | | | | | | |
| ACCESSIONS | 21.385 | 22.152 | 25.960 | 26.074 | 26.204 | 26.385 | 26.596 | 26.279 | 26.108 | 25.998 | 25.187 | |
| DELTA(BASE) | 0.0 | -1.638 | -0.888 | -0.735 | -0.810 | -0.642 | -0.566 | -0.775 | -0.812 | -0.561 | -0.519 | |
| YOS 5 TO 30+ | | | | | | | | | | | | |
| STRENGTH | 196.280 | 193.341 | 186.445 | 182.203 | 178.121 | 174.786 | 173.889 | 173.740 | 173.893 | 175.012 | 177.455 | |
| DELTA(BASE) | -0.000 | 1.483 | 2.227 | 2.767 | 3.292 | 2.612 | 2.201 | 2.188 | 2.226 | 1.943 | 1.718 | |
| YOS 5 TO 20 | | | | | | | | | | | | |
| STRENGTH | 166.540 | 164.174 | 156.395 | 151.987 | 147.696 | 144.538 | 144.761 | 145.623 | 146.834 | 152.439 | 157.790 | |
| DELTA(BASE) | 0.0 | 0.475 | 0.797 | 1.109 | 1.398 | 0.533 | 0.265 | 0.181 | 0.092 | 0.043 | -0.030 | |
| YOS 21 TO 30 | | | | | | | | | | | | |
| STRENGTH | 28.882 | 27.912 | 28.643 | 28.769 | 28.916 | 28.570 | 27.306 | 26.133 | 24.980 | 20.724 | 18.161 | |
| DELTA(BASE) | -0.000 | 0.724 | 0.907 | 1.028 | 1.168 | 1.165 | 0.824 | 0.763 | 0.778 | 0.730 | 0.788 | |

Table L. D-32
Transition Case 1

| FILE ARMYO TRN7CASO A1 | | | VM/SP CONVERSATIONAL MONITOR SYSTEM | | | | | | | | | | | PAGE 001 | |
|----------------------------|--|--|-------------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|--|
| FILE: OTRN7YRA SCENARIO: 0 | | | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 15 | 20 | | |
| YEAR: | | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 15 | 20 | |
| ACCESSIONS | | | 7.651 | 9.620 | 9.562 | 9.562 | 9.610 | 9.640 | 9.678 | 9.692 | 9.690 | 9.654 | 9.490 | 9.317 | |
| DELTA(BASE): | | | 0.0 | 1.969 | 1.911 | 1.911 | 1.959 | 1.989 | 2.027 | 2.041 | 2.039 | 2.003 | 1.839 | 1.666 | |
| YOS 5 TO 30+ | | | 60.920 | 60.015 | 58.212 | 56.374 | 54.948 | 54.913 | 54.808 | 54.695 | 54.629 | 54.625 | 55.165 | 55.691 | |
| STRENGTH | | | 0.0 | -0.0149 | -0.0445 | -0.0746 | -0.0980 | -0.0986 | -0.1003 | -0.1022 | -0.1033 | -0.1033 | -0.0945 | -0.0858 | |
| PERCENT | | | 0.0 | -0.905 | -2.708 | -4.546 | -5.972 | -6.007 | -6.112 | -6.225 | -6.291 | -6.295 | -5.755 | -5.229 | |
| DELTA(BASE) | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| YOS 5 TO 20 | | | 51.547 | 51.063 | 48.825 | 47.146 | 46.064 | 46.425 | 46.482 | 46.670 | 46.875 | 47.219 | 48.923 | 50.018 | |
| STRENGTH | | | 0.0 | -0.0094 | -0.0528 | -0.0854 | -0.1064 | -0.0894 | -0.0983 | -0.0946 | -0.0906 | -0.0840 | -0.0509 | -0.0297 | |
| PERCENT | | | 0.0 | -0.484 | -2.722 | -4.401 | -5.483 | -5.122 | -5.065 | -4.877 | -4.672 | -4.328 | -2.624 | -1.529 | |
| DELTA(BASE) | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| YOS 21 TO 30 | | | 9.157 | 8.707 | 9.155 | 8.981 | 8.634 | 8.245 | 8.094 | 7.789 | 7.496 | 7.143 | 6.025 | 5.499 | |
| STRENGTH | | | 0.0 | -0.0491 | -0.0002 | -0.0192 | -0.0571 | -0.0996 | -0.1161 | -0.1494 | -0.1814 | -0.2199 | -0.3420 | -0.3995 | |
| PERCENT | | | 0.0 | -0.450 | -0.002 | -0.176 | -0.523 | -0.912 | -1.063 | -1.368 | -1.661 | -2.014 | -3.132 | -3.658 | |
| DELTA(BASE) | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |

Table L. D-33
Transition Case 2

| FILE: ARMYO | | TRN7CAP: A1 | | VM/SP CONVERSATIONAL MONITOR SYSTEM | | | | | | | | | | PAGE 001 | |
|----------------|--|-------------|--|-------------------------------------|--|--|--|--|--|--|--|--|--|----------|--|
| FILE: OIRN7YRA | | SCENARIO: 2 | | | | | | | | | | | | | |
| YEAR: | | 1 | | 3 | | | | | | | | | | | |
| ACCESSIONS | | 7.651 | | 9.849 | | | | | | | | | | | |
| DELTA(BASE) | | -0.000 | | 0.229 | | | | | | | | | | | |
| YOS 5 TO 30+ | | 60.920 | | 59.846 | | | | | | | | | | | |
| STRENGTH | | 0.0 | | -0.169 | | | | | | | | | | | |
| DELTA(BASE) | | | | 57.813 | | | | | | | | | | | |
| YOS 5 TO 20 | | 51.547 | | 50.853 | | | | | | | | | | | |
| STRENGTH | | 0.0 | | -0.220 | | | | | | | | | | | |
| DELTA(BASE) | | | | 48.350 | | | | | | | | | | | |
| YOS 27 TO 30 | | 9.157 | | 8.711 | | | | | | | | | | | |
| STRENGTH | | 0.0 | | 0.004 | | | | | | | | | | | |
| DELTA(BASE) | | | | 9.150 | | | | | | | | | | | |
| | | | | -0.005 | | | | | | | | | | | |
| | | | | 8.913 | | | | | | | | | | | |
| | | | | -0.008 | | | | | | | | | | | |
| | | | | 8.601 | | | | | | | | | | | |
| | | | | -0.033 | | | | | | | | | | | |
| | | | | 8.160 | | | | | | | | | | | |
| | | | | -0.085 | | | | | | | | | | | |
| | | | | 7.939 | | | | | | | | | | | |
| | | | | -0.155 | | | | | | | | | | | |
| | | | | 7.565 | | | | | | | | | | | |
| | | | | -0.224 | | | | | | | | | | | |
| | | | | 7.246 | | | | | | | | | | | |
| | | | | -0.250 | | | | | | | | | | | |
| | | | | 6.865 | | | | | | | | | | | |
| | | | | -0.278 | | | | | | | | | | | |
| | | | | 5.628 | | | | | | | | | | | |
| | | | | -0.397 | | | | | | | | | | | |
| | | | | 4.442 | | | | | | | | | | | |
| | | | | -0.576 | | | | | | | | | | | |
| | | | | 49.172 | | | | | | | | | | | |
| | | | | -0.993 | | | | | | | | | | | |
| | | | | 53.641 | | | | | | | | | | | |
| | | | | -0.984 | | | | | | | | | | | |
| | | | | 45.970 | | | | | | | | | | | |
| | | | | -0.905 | | | | | | | | | | | |
| | | | | 45.755 | | | | | | | | | | | |
| | | | | -0.915 | | | | | | | | | | | |
| | | | | 53.724 | | | | | | | | | | | |
| | | | | -0.971 | | | | | | | | | | | |
| | | | | 9.994 | | | | | | | | | | | |
| | | | | 0.316 | | | | | | | | | | | |
| | | | | 10.017 | | | | | | | | | | | |
| | | | | 0.325 | | | | | | | | | | | |
| | | | | 9.982 | | | | | | | | | | | |
| | | | | 0.292 | | | | | | | | | | | |
| | | | | 9.970 | | | | | | | | | | | |
| | | | | 0.316 | | | | | | | | | | | |
| | | | | 9.800 | | | | | | | | | | | |
| | | | | 0.310 | | | | | | | | | | | |
| | | | | 54.615 | | | | | | | | | | | |
| | | | | 0.298 | | | | | | | | | | | |
| | | | | 54.172 | | | | | | | | | | | |
| | | | | -0.993 | | | | | | | | | | | |
| | | | | 53.654 | | | | | | | | | | | |
| | | | | -0.975 | | | | | | | | | | | |
| | | | | 54.717 | | | | | | | | | | | |
| | | | | -0.974 | | | | | | | | | | | |

Table L. D-34
Transition Case 3

| FILE: ARMYO | | TRN7CAS3 A1 | | VM/SP CONVERSATIONAL MONITOR SYSTEM | | | | | | | | | | | | | | | | |
|----------------|--|-------------|--------|-------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--|--|--|--|--|--|
| FILE: OTRN7YRA | | SCENARIO: 3 | | | | | | | | | | | | | | | | | | |
| YEAR: | | 1 | | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 15 | 20 | | | | | | |
| ACCESSIONS | | 7.651 | 10.259 | 10.205 | 10.199 | 10.199 | 10.259 | 10.312 | 10.360 | 10.373 | 10.333 | 10.310 | 10.112 | 9.925 | | | | | | |
| DELTA(BASE) | | -0.000 | 0.639 | 0.643 | 0.637 | 0.649 | 0.649 | 0.672 | 0.682 | 0.681 | 0.643 | 0.656 | 0.622 | 0.608 | | | | | | |
| YOS 5 TO 30+ | | 60.920 | 59.480 | 57.104 | 54.752 | 52.878 | 52.812 | 52.812 | 52.667 | 52.520 | 52.470 | 52.484 | 53.134 | 53.724 | | | | | | |
| STRENGTH | | 0.0 | -0.535 | -1.108 | -1.622 | -2.070 | -2.101 | -2.101 | -2.141 | -2.175 | -2.159 | -2.141 | -2.031 | -1.967 | | | | | | |
| DELTA(BASE) | | 0.0 | 0.0 | -1.000 | -1.471 | -1.818 | -1.754 | -1.754 | -1.644 | -1.567 | -1.488 | -1.419 | -1.092 | -0.851 | | | | | | |
| YOS 5 TO 20 | | 51.547 | 50.569 | 47.825 | 45.675 | 44.246 | 44.671 | 44.671 | 44.838 | 45.103 | 45.387 | 45.800 | 47.831 | 49.167 | | | | | | |
| STRENGTH | | 0.0 | -0.494 | -1.000 | -1.471 | -1.818 | -1.754 | -1.754 | -1.644 | -1.567 | -1.488 | -1.419 | -1.092 | -0.851 | | | | | | |
| DELTA(BASE) | | 0.0 | 0.0 | -1.000 | -1.471 | -1.818 | -1.754 | -1.754 | -1.644 | -1.567 | -1.488 | -1.419 | -1.092 | -0.851 | | | | | | |
| YOS 21 TO 30 | | 9.157 | 8.003 | 8.917 | 8.683 | 8.215 | 7.702 | 7.702 | 7.393 | 6.967 | 6.597 | 6.195 | 4.932 | 4.284 | | | | | | |
| STRENGTH | | 0.0 | -0.104 | -0.218 | -0.298 | -0.419 | -0.543 | -0.543 | -0.701 | -0.822 | -0.899 | -0.948 | -1.093 | -1.215 | | | | | | |
| DELTA(BASE) | | 0.0 | 0.0 | -0.218 | -0.298 | -0.419 | -0.543 | -0.543 | -0.701 | -0.822 | -0.899 | -0.948 | -1.093 | -1.215 | | | | | | |

Table L. D-35

Transition Case 4

VM/SP CONVERSATIONAL MONITOR SYSTEM

FILE: ARMYO 7562CAS2 A1

FILE: 07562-1A SCENARIO: 2
YEAR: 1ACCESSIONS 7.651 9.181
DELTA(BASE) -0.000 -0.439YOS 5 TO 30+
STRENGTH 60.920 60.384
DELTA(BASE) 0.0 0.369YOS 5 TO 20
STRENGTH 51.547 51.078
DELTA(BASE) 0.0 0.015YOS 21 TO 30
STRENGTH 9.157 9.000
DELTA(BASE) 0.6 0.293

| | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 15 | 20 |
|--|-----------------|-----------------|-----------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| | 9.249
-0.313 | 9.213
-0.344 | 9.323
-0.287 | 9.335
-0.305 | 9.399
-0.279 | 9.430
-0.262 | 9.497
-0.193 | 9.459
-0.195 | 9.364
-0.126 | 9.183
-0.134 |
| | 58.834
0.622 | 57.264
0.890 | 56.004
1.056 | 55.868
0.955 | 55.727
0.919 | 55.547
0.852 | 55.383
0.754 | 55.286
0.661 | 55.536
0.371 | 55.998
0.307 |
| | 48.838
0.013 | 47.159
0.013 | 46.116
0.052 | 46.266
-0.159 | 46.239
-0.243 | 46.339
-0.331 | 46.502
-0.373 | 46.801
-0.418 | 48.575
-0.348 | 49.770
-0.248 |
| | 9.639
0.484 | 9.634
0.653 | 9.327
0.693 | 8.979
0.734 | 8.833
0.739 | 8.484
0.695 | 8.043
0.547 | 7.621
0.478 | 6.264
0.239 | 5.684
0.185 |

Table L. D-36
Transition Case 5

| FILE: ARMYO 5062CAS2 A1 | | | VM/SP CONVERSATIONAL MONITOR SYSTEM | | | | | | | | | |
|----------------------------|--|--|-------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| FILE: OS062-1A SCENARIO: 2 | | | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 15 | 20 |
| YEAR: | | | | | | | | | | | | |
| ACCESS:ONS | | | 7.651 | 9.485 | 9.177 | 9.246 | 9.362 | 9.389 | 9.372 | 9.347 | 9.271 | 9.065 |
| DELTA(BASE) | | | -0.010 | -0.533 | -0.433 | -0.394 | -0.316 | -0.303 | -0.318 | -0.307 | -0.219 | -0.252 |
| /CS 5 TO 30* | | | | | | | | | | | | |
| STRENGTH | | | 60.920 | 57.463 | 56.276 | 56.146 | 56.034 | 55.806 | 55.641 | 55.577 | 55.980 | 56.372 |
| DELTA(BASE) | | | 0.0 | 1.629 | 1.328 | 1.233 | 1.196 | 1.111 | 1.012 | 0.952 | 0.715 | 0.681 |
| VOS 5 TO 20 | | | | | | | | | | | | |
| STRENGTH | | | 51.223 | 47.551 | 46.588 | 46.737 | 46.725 | 46.831 | 46.929 | 47.207 | 48.885 | 49.995 |
| DELTA(BASE) | | | 0.0 | 0.405 | 0.524 | 0.312 | 0.243 | 0.161 | 0.054 | -0.012 | -0.038 | -0.023 |
| VOS 21 TO 30 | | | | | | | | | | | | |
| STRENGTH | | | 8.936 | 9.414 | 9.200 | 8.874 | 8.723 | 8.373 | 8.039 | 7.642 | 6.392 | 5.894 |
| DELTA(BASE) | | | 0.0 | 0.433 | 0.566 | 0.629 | 0.629 | 0.584 | 0.543 | 0.499 | 0.367 | 0.395 |

Table L. D-37

Transition Case 1

| FILE: NAVVO | | TRN7CASO A1 | | VH/SP CONVERSATIONAL MONITOR SYSTEM | | | | | | | | | | | | PAGE 001 | | | | | | | | | |
|---------------|--|-------------|--|-------------------------------------|--|---------|--|---------|--|---------|--|---------|--|---------|--|----------|--|---------|--|---------|--|---------|--|---------|--|
| FILE: DIRTYRN | | SCENAR:0: 0 | | | | | | | | | | | | | | | | | | | | | | | |
| YEAR: | | 1 | | 2 | | 3 | | 4 | | 5 | | 6 | | 7 | | 8 | | 9 | | 10 | | 15 | | 20 | |
| ACCESSIONS | | 5.389 | | 4.093 | | 6.339 | | 6.231 | | 6.263 | | 6.284 | | 6.263 | | 6.319 | | 6.305 | | 6.321 | | 6.370 | | 6.199 | |
| DELTA(BASE) | | 0.0 | | -1.296 | | 0.950 | | 0.842 | | 0.874 | | 0.895 | | 0.874 | | 0.930 | | 0.916 | | 0.932 | | 0.981 | | 0.810 | |
| YOS 5 TO 30+ | | | | | | | | | | | | | | | | | | | | | | | | | |
| STRENGTH | | 45.522 | | 44.817 | | 42.655 | | 41.520 | | 41.035 | | 39.266 | | 39.320 | | 39.240 | | 39.202 | | 39.169 | | 38.969 | | 39.404 | |
| PERCENT | | 0.0 | | -0.0155 | | -0.0630 | | -0.0791 | | -0.0986 | | -0.1374 | | -0.1362 | | -0.1380 | | -0.1388 | | -0.1396 | | -0.1440 | | -0.1344 | |
| DELTA(BASE) | | 0.0 | | -0.705 | | -2.867 | | -3.602 | | -4.487 | | -6.256 | | -6.202 | | -6.282 | | -6.320 | | -6.353 | | -6.553 | | -6.118 | |
| YOS 5 TO 20 | | | | | | | | | | | | | | | | | | | | | | | | | |
| STRENGTH | | 38.282 | | 37.832 | | 35.819 | | 35.209 | | 34.167 | | 32.208 | | 32.351 | | 32.369 | | 32.545 | | 32.785 | | 33.410 | | 34.752 | |
| PERCENT | | 0.0 | | -0.0118 | | -0.0643 | | -0.0803 | | -0.1075 | | -0.1587 | | -0.1549 | | -0.1545 | | -0.1499 | | -0.1436 | | -0.1273 | | -0.0922 | |
| DELTA(BASE) | | 0.0 | | -0.450 | | -2.463 | | -3.073 | | -4.115 | | -6.074 | | -5.931 | | -5.913 | | -5.737 | | -5.497 | | -4.872 | | -3.530 | |
| YOS 21 TO 30 | | | | | | | | | | | | | | | | | | | | | | | | | |
| STRENGTH | | 6.889 | | 6.624 | | 6.483 | | 6.387 | | 6.556 | | 6.748 | | 6.677 | | 6.582 | | 6.374 | | 6.116 | | 5.288 | | 4.428 | |
| PERCENT | | 0.0 | | -0.0385 | | -0.0589 | | -0.0729 | | -0.0483 | | -0.0205 | | -0.0308 | | -0.0446 | | -0.0748 | | -0.1122 | | -0.2324 | | -0.3572 | |
| DELTA(BASE) | | 0.0 | | -0.265 | | -0.406 | | -0.502 | | -0.333 | | -0.141 | | -0.212 | | -0.307 | | -0.515 | | -0.773 | | -1.601 | | -2.461 | |

Table L. D-38
Transition Case 2

| FILE: NAVYO | | TRN7CAS2 A1 | | VM/SP CONVERSATIONAL MONITOR SYSTEM | | | | | | | | | | PAUSE CO. | |
|----------------|--|-------------|--------|-------------------------------------|--------|---|--------|--------|--------|--------|--------|--------|--------|-----------|--------|
| FILE: QTRN7VRN | | SCENARIO: 2 | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 15 | 20 |
| YEAR: | | | | | | | | | | | | | | | |
| ACCESSIONS | | 5.389 | 4.167 | | 6.450 | | 6.332 | 6.385 | 6.451 | 6.442 | 6.515 | 6.501 | 6.521 | 6.580 | 6.400 |
| DELTA(BASE) | | 0.0 | 0.074 | | 0.111 | | 0.101 | 0.122 | 0.167 | 0.179 | 0.196 | 0.196 | 0.200 | 0.210 | 0.201 |
| YOS 5 TO 30+ | | | | | | | | | | | | | | | |
| STRENGTH | | 45.522 | 44.764 | | 42.513 | | 41.690 | 40.698 | 39.850 | 38.847 | 38.681 | 38.578 | 38.514 | 38.305 | 38.691 |
| DELTA(BASE) | | -0.000 | -0.053 | | -0.142 | | -0.230 | -0.337 | -0.416 | -0.473 | -0.559 | -0.624 | -0.655 | -0.664 | -0.713 |
| YOS 5 TO 20 | | | | | | | | | | | | | | | |
| STRENGTH | | 38.282 | 37.674 | | 35.491 | | 34.723 | 33.538 | 31.508 | 31.612 | 31.574 | 31.709 | 31.939 | 32.641 | 34.106 |
| DELTA(BASE) | | 0.0 | -0.158 | | -0.328 | | -0.486 | -0.629 | -0.700 | -0.739 | -0.795 | -0.836 | -0.846 | -0.769 | -0.646 |
| YOS 21 TO 30 | | | | | | | | | | | | | | | |
| STRENGTH | | 6.889 | 6.706 | | 6.615 | | 6.575 | 6.772 | 6.913 | 6.804 | 6.665 | 6.433 | 6.159 | 5.261 | 4.251 |
| DELTA(BASE) | | 0.0 | 0.082 | | 0.132 | | 0.188 | 0.216 | 0.165 | 0.127 | 0.083 | 0.059 | 0.043 | -0.027 | -0.177 |

Table L. D-39
Transition Case 3

| FILE: NAVYO | | TRN7CAS3 A1 | | VR/SP CONVERSATIONAL MONITOR SYSTEM | | | | | | | | | | PAGE 001 | |
|--------------|----------|-------------|--------|-------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|----------|--|
| YEAR: | QTRM7YRN | SCEHARIO: | 3 | 2 | 1 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 15 | 20 | |
| ACCESSIONS | 5.389 | 4.429 | 6.686 | 6.559 | 6.616 | 6.684 | 6.682 | 6.682 | 6.762 | 6.744 | 6.761 | 6.808 | 6.612 | 6.612 | |
| DELTA(BASE) | 0.0 | 0.336 | 0.347 | 0.328 | 0.353 | 0.400 | 0.419 | 0.443 | 0.443 | 0.439 | 0.440 | 0.438 | 0.413 | 0.413 | |
| YOS 5 TO 30+ | | | | | | | | | | | | | | | |
| STRENGTH | 45.522 | 44.523 | 42.062 | 41.035 | 39.868 | 38.053 | 38.038 | 37.855 | 37.745 | 37.678 | 37.678 | 37.493 | 37.959 | 37.959 | |
| DELTA(BASE) | -0.000 | -0.294 | -0.593 | -0.885 | -1.167 | -1.213 | -1.282 | -1.385 | -1.457 | -1.491 | -1.491 | -1.476 | -1.445 | -1.445 | |
| YOS 5 TO 20 | | | | | | | | | | | | | | | |
| STRENGTH | 38.282 | 37.487 | 35.139 | 34.214 | 32.907 | 30.966 | 31.108 | 31.093 | 31.244 | 31.487 | 31.487 | 32.308 | 33.864 | 33.864 | |
| DELTA(BASE) | 0.0 | -0.345 | -0.680 | -0.995 | -1.260 | -1.242 | -1.243 | -1.276 | -1.301 | -1.298 | -1.298 | -1.102 | -0.888 | -0.888 | |
| YOS 21 TO 30 | | | | | | | | | | | | | | | |
| STRENGTH | 6.889 | 6.632 | 6.480 | 6.387 | 6.526 | 6.609 | 6.452 | 6.274 | 6.016 | 5.732 | 5.732 | 4.770 | 3.751 | 3.751 | |
| DELTA(BASE) | 0.0 | 0.608 | -0.003 | -0.003 | -0.030 | -0.139 | -0.225 | -0.308 | -0.358 | -0.384 | -0.384 | -0.518 | -0.677 | -0.677 | |

Table L. D-40
Transition Case 4

| FILE: NAVYO 7562CAS2 A1 | | | VM/SP CONVERSATIONAL MONITOR SYSTEM | | | | | | | | | | PAGE 001 |
|----------------------------|--|--|-------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|----------|
| FILE: 07562-1N SCENARIO: 2 | | | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 15 | 20 | |
| YEAR: | | | | | | | | | | | | | |
| ACCESSIONS | | | 6.011 | 5.947 | 6.025 | 6.091 | 6.073 | 6.142 | 6.126 | 6.155 | 6.242 | 6.116 | |
| DELTA(BASE) | | | -0.328 | -0.284 | -0.238 | -0.193 | -0.190 | -0.177 | -0.179 | -0.166 | -0.128 | -0.083 | |
| YOS 5 TO 30+ | | | | | | | | | | | | | |
| STRENGTH | | | 43.317 | 42.826 | 42.115 | 40.135 | 40.076 | 39.896 | 39.810 | 39.749 | 39.487 | 39.650 | |
| DELTA(BASE) | | | 0.662 | 0.906 | 1.080 | 0.869 | 0.756 | 0.656 | 0.608 | 0.580 | 0.518 | 0.246 | |
| YOS 5 TO 20 | | | | | | | | | | | | | |
| STRENGTH | | | 35.836 | 35.236 | 34.206 | 31.944 | 31.917 | 31.813 | 31.929 | 32.145 | 32.788 | 34.082 | |
| DELTA(BASE) | | | 0.017 | 0.027 | 0.039 | -0.264 | -0.434 | -0.556 | -0.616 | -0.640 | -0.622 | -0.670 | |
| YOS 21 TO 30 | | | | | | | | | | | | | |
| STRENGTH | | | 7.020 | 7.105 | 7.371 | 7.566 | 7.505 | 7.276 | 7.137 | 6.870 | 5.277 | 4.962 | |
| DELTA(BASE) | | | 0.537 | 0.718 | 0.815 | 0.818 | 0.828 | 0.794 | 0.763 | 0.754 | 0.689 | 0.534 | |

Table L. D-41
Transition Case 5

| FILE: NAVYO | 5062CAS2 A1 | VM/SP CONVERSATIONAL MONITOR SYSTEM | | | | | | | | | | PAGE 001 |
|----------------|-------------|-------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|----------|
| FILE: 05062-IN | SCENARIO: 2 | | | | | | | | | | | |
| YEAR: | 1 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 15 | 20 | |
| ACCFSSIONS | 5.389 | 3.675 | 5.945 | 6.026 | 6.088 | 6.048 | 6.103 | 6.088 | 6.111 | 6.191 | 6.046 | |
| DELTA(BASE) | 0.0 | -0.418 | -0.286 | -0.237 | -0.196 | -0.215 | -0.216 | -0.217 | -0.210 | -0.179 | -0.153 | |
| YOS 5 TO 30+ | | | | | | | | | | | | |
| STRENGTH | 45.522 | 45.198 | 42.840 | 42.122 | 40.141 | 40.099 | 39.959 | 39.907 | 39.883 | 39.621 | 39.907 | |
| DELTA(BASE) | -0.000 | 0.381 | 0.920 | 1.087 | 0.874 | 0.779 | 0.719 | 0.705 | 0.714 | 0.652 | 0.503 | |
| YOS 5 TO 20 | | | | | | | | | | | | |
| STRENGTH | 38.282 | 37.954 | 35.496 | 34.528 | 32.313 | 32.328 | 32.265 | 32.473 | 32.657 | 33.219 | 34.474 | |
| DELTA(BASE) | 0.0 | 0.122 | 0.287 | 0.361 | 0.105 | -0.023 | -0.104 | -0.112 | -0.128 | -0.191 | -0.278 | |
| YOS 21 TO 30 | | | | | | | | | | | | |
| STRENGTH | 6.889 | 6.818 | 6.861 | 7.086 | 7.239 | 7.159 | 7.046 | 6.826 | 6.552 | 5.763 | 4.886 | |
| DELTA(BASE) | 0.0 | 0.194 | 0.474 | 0.530 | 0.491 | 0.482 | 0.464 | 0.452 | 0.436 | 0.475 | 0.458 | |

Table L. D-42
Transition Case i

| FILE: USMCO | | TRN7CAS0 A1 | | VM/SP CONVERSATIONAL MONITOR SYSTEM | | | | | | | | | | PAGE 001 | |
|----------------|--|-------------|--|-------------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|--|
| YEAR: | | SCENARIO: 0 | | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 15 | 20 | |
| FILE: OTRN7YRM | | 1.467 | | 1.405 | 1.812 | 1.790 | 1.780 | 1.813 | 1.808 | 1.817 | 1.799 | 1.763 | 1.807 | 1.747 | |
| ACCESSIONS | | 0.0 | | -0.042 | 0.345 | 0.323 | 0.313 | 0.346 | 0.341 | 0.350 | 0.332 | 0.296 | 0.340 | 0.280 | |
| DELTA(BASE) | | | | | | | | | | | | | | | |
| YOS 5 TO 30+ | | 12.621 | | 12.345 | 11.520 | 11.27 | 10.947 | 10.617 | 10.619 | 10.591 | 10.577 | 10.630 | 10.624 | 10.762 | |
| STRENGTH | | 0.0 | | -0.0216 | -0.0872 | -0.1085 | -0.1326 | -0.1588 | -0.1586 | -0.1608 | -0.1620 | -0.1578 | -0.1582 | -0.1473 | |
| PERCENT | | 0.0 | | -0.272 | -1.101 | -1.374 | -1.674 | -2.004 | -2.002 | -2.030 | -2.044 | -1.991 | -1.997 | -1.859 | |
| DELTA(BASE) | | | | | | | | | | | | | | | |
| YOS 5 TO 20 | | 11.142 | | 10.947 | 10.107 | 9.857 | 9.527 | 9.178 | 9.203 | 9.179 | 9.234 | 9.362 | 9.464 | 9.823 | |
| STRENGTH | | 0.0 | | -0.0175 | -0.0929 | -0.1153 | -0.1449 | -0.1763 | -0.1740 | -0.1762 | -0.1712 | -0.1598 | -0.1506 | -0.1473 | |
| PERCENT | | 0.0 | | -0.195 | -1.035 | -1.285 | -1.615 | -1.964 | -1.939 | -1.963 | -1.908 | -1.750 | -1.678 | -1.319 | |
| DELTA(BASE) | | | | | | | | | | | | | | | |
| YOS 21 TO 30 | | 1.409 | | 1.330 | 1.351 | 1.331 | 1.365 | 1.390 | 1.367 | 1.366 | 1.297 | 1.228 | 1.118 | 0.906 | |
| STRENGTH | | 0.0 | | -0.0561 | -0.0412 | -0.0554 | -0.0305 | -0.0135 | -0.0298 | -0.0305 | -0.0795 | -0.1285 | -0.2065 | -0.3570 | |
| PERCENT | | 0.0 | | -0.079 | -0.058 | -0.078 | -0.043 | -0.019 | -0.042 | -0.043 | -0.112 | -0.187 | -0.291 | -0.503 | |
| DELTA(BASE) | | | | | | | | | | | | | | | |

Table L- D-43
Transition Case 2

| FILE: USMCO | TRN7CAS2 A1 | VN/SP CONVERSATIONAL MONITOR SYSTEM | | | | | | | | | | | | PAGE 001 |
|----------------|-------------|-------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|----------|
| FILE: OTRN7YRM | SCENARIO: 2 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 15 | 20 | |
| YEAR: | | | | | | | | | | | | | | |
| ACCESSIONS | 1.427 | 1.427 | 1.838 | 1.823 | 1.818 | 1.866 | 1.866 | 1.862 | 1.869 | 1.845 | 1.810 | 1.859 | 1.794 | |
| DELTA(BASE) | -0.000 | 0.022 | 0.026 | 0.033 | 0.038 | 0.053 | 0.053 | 0.054 | 0.052 | 0.046 | 0.047 | 0.052 | 0.047 | |
| YOS 5 TO 30+ | | | | | | | | | | | | | | |
| STRENGTH | 12.621 | 12.330 | 11.483 | 11.177 | 10.845 | 10.492 | 10.465 | 10.465 | 10.449 | 10.482 | 10.457 | 10.466 | 10.609 | |
| DELTA(BASE) | -0.000 | -0.019 | -0.037 | -0.074 | -0.102 | -0.125 | -0.154 | -0.172 | -0.172 | -0.175 | -0.175 | -0.158 | -0.162 | |
| YOS 5 TO 20 | | | | | | | | | | | | | | |
| STRENGTH | 11.142 | 10.911 | 10.031 | 9.742 | 9.378 | 9.014 | 8.626 | 8.991 | 8.991 | 9.040 | 9.175 | 9.307 | 9.683 | |
| DELTA(BASE) | -0.000 | -0.036 | -0.076 | -0.115 | -0.149 | -0.174 | -0.177 | -0.188 | -0.188 | -0.194 | -0.187 | -0.157 | -0.140 | |
| YOS 21 TO 30 | | | | | | | | | | | | | | |
| STRENGTH | 1.409 | 1.339 | 1.375 | 1.356 | 1.396 | 1.406 | 1.362 | 1.353 | 1.353 | 1.345 | 1.214 | 1.091 | 0.865 | |
| DELTA(BASE) | -0.000 | 0.009 | 0.024 | 0.028 | 0.030 | 0.016 | -0.095 | -0.013 | -0.013 | -0.012 | -0.014 | -0.027 | -0.041 | |

Table L. D-44
Transition Case 3

| FILE: USMCG | | TRN7CAS3 A1 | | VM/SP CONVERSATIONAL MONITOR SYSTEM | | | | | | | | | | PAGE 001 | |
|--------------------------|--|-------------|--------|-------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|----------|--------|
| FILE: OTRN7YRM
YEAR: | | SCENARIO: 3 | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 15 | 20 |
| ACCESSIONS | | 1.467 | 1.488 | 1.895 | 1.877 | 1.874 | 1.925 | 1.921 | 1.921 | 1.928 | 1.903 | 1.864 | 1.864 | 1.910 | 1.842 |
| DELTA(BASE) | | -0.000 | 0.083 | 0.083 | 0.087 | 0.094 | 0.112 | 0.113 | 0.111 | 0.111 | 0.104 | 0.101 | 0.101 | 0.123 | 0.055 |
| YOS 5 TO 30+
STRENGTH | | 12.621 | 12.274 | 11.377 | 11.021 | 10.646 | 10.294 | 10.263 | 10.215 | 10.199 | 10.259 | 10.280 | 10.259 | 10.280 | 10.429 |
| DELTA(BASE) | | -0.000 | -0.075 | -0.143 | -0.226 | -0.303 | -0.323 | -0.356 | -0.376 | -0.375 | -0.371 | -0.344 | -0.371 | -0.344 | -0.333 |
| YOS 5 TO 20
STRENGTH | | 11.142 | 10.867 | 9.952 | 9.627 | 9.232 | 8.985 | 8.902 | 8.871 | 8.928 | 9.069 | 9.227 | 9.069 | 9.227 | 9.616 |
| DELTA(BASE) | | -0.000 | -0.080 | -0.155 | -0.230 | -0.295 | -0.293 | -0.301 | -0.308 | -0.306 | -0.293 | -0.237 | -0.293 | -0.237 | -0.207 |
| YOS 21 TO 30
STRENGTH | | 1.409 | 1.323 | 1.339 | 1.310 | 1.332 | 1.327 | 1.274 | 1.258 | 1.184 | 1.114 | 0.983 | 1.114 | 0.983 | 0.759 |
| DELTA(BASE) | | -0.000 | -0.007 | -0.012 | -0.021 | -0.034 | -0.063 | -0.093 | -0.108 | -0.113 | -0.116 | -0.135 | -0.116 | -0.135 | -0.147 |

Table L. D-45
Transition Case 4

| FILE: USMCO | 7562CAS2 A1 | VM/SP CONVERSATIONAL MONITOR SYSTEM | | | | | | | | | | PAGE 001 |
|----------------|-------------|-------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|----------|
| FILE: 07562-1M | SCENARIO: 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 15 | 20 | |
| YEAR: | | | | | | | | | | | | |
| ACCESSIONS | 1.467 | 1.753 | 1.755 | 1.751 | 1.792 | 1.793 | 1.797 | 1.779 | 1.737 | 1.785 | 1.722 | |
| DELTA(BASE) | -0.000 | -0.059 | -0.035 | -0.029 | -0.021 | -0.015 | -0.020 | -0.020 | -0.026 | -0.022 | -0.025 | |
| YOS 5 TO 30+ | | | | | | | | | | | | |
| STRENGTH | 12.621 | 11.650 | 11.410 | 11.123 | 10.734 | 10.696 | 10.657 | 10.639 | 10.692 | 10.709 | 10.826 | |
| DELTA(BASE) | -0.000 | 0.130 | 0.153 | 0.176 | 0.117 | 0.077 | 0.066 | 0.062 | 0.062 | 0.085 | 0.064 | |
| YOS 5 TO 20 | | | | | | | | | | | | |
| STRENGTH | 11.142 | 10.118 | 9.174 | 9.546 | 9.140 | 9.136 | 9.106 | 9.161 | 9.292 | 9.430 | 9.780 | |
| DELTA(BASE) | -0.000 | 0.011 | 0.017 | 0.019 | -0.038 | -0.057 | -0.073 | -0.073 | -0.070 | -0.034 | -0.043 | |
| YOS 21 TO 30+ | | | | | | | | | | | | |
| STRENGTH | 1.477 | 1.440 | 1.438 | 1.474 | 1.483 | 1.432 | 1.420 | 1.336 | 1.270 | 1.158 | 0.951 | |
| DELTA(BASE) | -0.000 | 0.000 | 0.107 | 0.108 | 0.093 | 0.066 | 0.054 | 0.039 | 0.042 | 0.040 | 0.045 | |

Table L. D-46
Transition Case 5

| FILE: USMCO | 5062CAS2 A1 | M/SP CONVERSATIONAL MONITOR SYSTEM | | | | | | | | | | PAGE 001 |
|---------------|-------------|------------------------------------|---|---|---|---|---|---|----|----|----|----------|
| FILE: M/SP-IM | SCENARIO: 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 15 | 20 | |
| FILE: M/SP-IM | 1 | | | | | | | | | | | |
| FILE: M/SP-IM | 2 | | | | | | | | | | | |
| FILE: M/SP-IM | 3 | | | | | | | | | | | |
| FILE: M/SP-IM | 4 | | | | | | | | | | | |
| FILE: M/SP-IM | 5 | | | | | | | | | | | |
| FILE: M/SP-IM | 6 | | | | | | | | | | | |
| FILE: M/SP-IM | 7 | | | | | | | | | | | |
| FILE: M/SP-IM | 8 | | | | | | | | | | | |
| FILE: M/SP-IM | 9 | | | | | | | | | | | |
| FILE: M/SP-IM | 10 | | | | | | | | | | | |
| FILE: M/SP-IM | 11 | | | | | | | | | | | |
| FILE: M/SP-IM | 12 | | | | | | | | | | | |
| FILE: M/SP-IM | 13 | | | | | | | | | | | |
| FILE: M/SP-IM | 14 | | | | | | | | | | | |
| FILE: M/SP-IM | 15 | | | | | | | | | | | |
| FILE: M/SP-IM | 16 | | | | | | | | | | | |
| FILE: M/SP-IM | 17 | | | | | | | | | | | |
| FILE: M/SP-IM | 18 | | | | | | | | | | | |
| FILE: M/SP-IM | 19 | | | | | | | | | | | |
| FILE: M/SP-IM | 20 | | | | | | | | | | | |
| FILE: M/SP-IM | 21 | | | | | | | | | | | |
| FILE: M/SP-IM | 22 | | | | | | | | | | | |
| FILE: M/SP-IM | 23 | | | | | | | | | | | |
| FILE: M/SP-IM | 24 | | | | | | | | | | | |
| FILE: M/SP-IM | 25 | | | | | | | | | | | |
| FILE: M/SP-IM | 26 | | | | | | | | | | | |
| FILE: M/SP-IM | 27 | | | | | | | | | | | |
| FILE: M/SP-IM | 28 | | | | | | | | | | | |
| FILE: M/SP-IM | 29 | | | | | | | | | | | |
| FILE: M/SP-IM | 30 | | | | | | | | | | | |
| FILE: M/SP-IM | 31 | | | | | | | | | | | |
| FILE: M/SP-IM | 32 | | | | | | | | | | | |
| FILE: M/SP-IM | 33 | | | | | | | | | | | |
| FILE: M/SP-IM | 34 | | | | | | | | | | | |
| FILE: M/SP-IM | 35 | | | | | | | | | | | |
| FILE: M/SP-IM | 36 | | | | | | | | | | | |
| FILE: M/SP-IM | 37 | | | | | | | | | | | |
| FILE: M/SP-IM | 38 | | | | | | | | | | | |
| FILE: M/SP-IM | 39 | | | | | | | | | | | |
| FILE: M/SP-IM | 40 | | | | | | | | | | | |
| FILE: M/SP-IM | 41 | | | | | | | | | | | |
| FILE: M/SP-IM | 42 | | | | | | | | | | | |
| FILE: M/SP-IM | 43 | | | | | | | | | | | |
| FILE: M/SP-IM | 44 | | | | | | | | | | | |
| FILE: M/SP-IM | 45 | | | | | | | | | | | |
| FILE: M/SP-IM | 46 | | | | | | | | | | | |
| FILE: M/SP-IM | 47 | | | | | | | | | | | |
| FILE: M/SP-IM | 48 | | | | | | | | | | | |
| FILE: M/SP-IM | 49 | | | | | | | | | | | |
| FILE: M/SP-IM | 50 | | | | | | | | | | | |
| FILE: M/SP-IM | 51 | | | | | | | | | | | |
| FILE: M/SP-IM | 52 | | | | | | | | | | | |
| FILE: M/SP-IM | 53 | | | | | | | | | | | |
| FILE: M/SP-IM | 54 | | | | | | | | | | | |
| FILE: M/SP-IM | 55 | | | | | | | | | | | |
| FILE: M/SP-IM | 56 | | | | | | | | | | | |
| FILE: M/SP-IM | 57 | | | | | | | | | | | |
| FILE: M/SP-IM | 58 | | | | | | | | | | | |
| FILE: M/SP-IM | 59 | | | | | | | | | | | |
| FILE: M/SP-IM | 60 | | | | | | | | | | | |
| FILE: M/SP-IM | 61 | | | | | | | | | | | |
| FILE: M/SP-IM | 62 | | | | | | | | | | | |
| FILE: M/SP-IM | 63 | | | | | | | | | | | |
| FILE: M/SP-IM | 64 | | | | | | | | | | | |
| FILE: M/SP-IM | 65 | | | | | | | | | | | |
| FILE: M/SP-IM | 66 | | | | | | | | | | | |
| FILE: M/SP-IM | 67 | | | | | | | | | | | |
| FILE: M/SP-IM | 68 | | | | | | | | | | | |
| FILE: M/SP-IM | 69 | | | | | | | | | | | |
| FILE: M/SP-IM | 70 | | | | | | | | | | | |
| FILE: M/SP-IM | 71 | | | | | | | | | | | |
| FILE: M/SP-IM | 72 | | | | | | | | | | | |
| FILE: M/SP-IM | 73 | | | | | | | | | | | |
| FILE: M/SP-IM | 74 | | | | | | | | | | | |
| FILE: M/SP-IM | 75 | | | | | | | | | | | |
| FILE: M/SP-IM | 76 | | | | | | | | | | | |
| FILE: M/SP-IM | 77 | | | | | | | | | | | |
| FILE: M/SP-IM | 78 | | | | | | | | | | | |
| FILE: M/SP-IM | 79 | | | | | | | | | | | |
| FILE: M/SP-IM | 80 | | | | | | | | | | | |
| FILE: M/SP-IM | 81 | | | | | | | | | | | |
| FILE: M/SP-IM | 82 | | | | | | | | | | | |
| FILE: M/SP-IM | 83 | | | | | | | | | | | |
| FILE: M/SP-IM | 84 | | | | | | | | | | | |
| FILE: M/SP-IM | 85 | | | | | | | | | | | |
| FILE: M/SP-IM | 86 | | | | | | | | | | | |
| FILE: M/SP-IM | 87 | | | | | | | | | | | |
| FILE: M/SP-IM | 88 | | | | | | | | | | | |
| FILE: M/SP-IM | 89 | | | | | | | | | | | |
| FILE: M/SP-IM | 90 | | | | | | | | | | | |
| FILE: M/SP-IM | 91 | | | | | | | | | | | |
| FILE: M/SP-IM | 92 | | | | | | | | | | | |
| FILE: M/SP-IM | 93 | | | | | | | | | | | |
| FILE: M/SP-IM | 94 | | | | | | | | | | | |
| FILE: M/SP-IM | 95 | | | | | | | | | | | |
| FILE: M/SP-IM | 96 | | | | | | | | | | | |
| FILE: M/SP-IM | 97 | | | | | | | | | | | |
| FILE: M/SP-IM | 98 | | | | | | | | | | | |
| FILE: M/SP-IM | 99 | | | | | | | | | | | |
| FILE: M/SP-IM | 100 | | | | | | | | | | | |

Table L. D-47

Transition Case 1

| FILE: USAFO | TRN7CASO A1 | JFM/SP CONVERSATIONAL MONITOR SYSTEM | | | | | | | | | | PAGE 001 |
|----------------|-------------|--------------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|
| FILE: OTRN7YRF | SCENARIO: 0 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 15 | 20 |
| YEAR: | 1 | | | | | | | | | | | |
| ACCESSIONS | 6.878 | 8.672 | 9.135 | 9.241 | 9.231 | 9.278 | 9.278 | 9.334 | 9.260 | 9.182 | 8.892 | 8.443 |
| DELTA(BASE) | 0.0 | 1.794 | 2.257 | 2.363 | 2.353 | 2.400 | 2.400 | 2.456 | 2.382 | 2.304 | 2.014 | 1.565 |
| YOS 5 TO 30+ | | | | | | | | | | | | |
| STRENGTH | 77.317 | 74.677 | 71.831 | 69.895 | 67.899 | 67.378 | 67.252 | 67.162 | 67.144 | 67.243 | 68.311 | 69.880 |
| PERCENT | 0.0 | -0.0341 | -0.0710 | -0.0960 | -0.1218 | -0.1285 | -0.1302 | -0.1313 | -0.1316 | -0.1303 | -0.1165 | -0.0962 |
| DELTA(BASE) | 0.0 | -2.640 | -5.486 | -7.422 | -9.418 | -9.939 | -10.065 | -10.155 | -10.173 | -10.074 | -9.006 | -7.437 |
| YOS 5 TO 20 | | | | | | | | | | | | |
| STRENGTH | 65.569 | 63.857 | 60.847 | 58.566 | 56.540 | 56.194 | 56.275 | 56.278 | 56.788 | 57.376 | 60.597 | 63.227 |
| PERCENT | 0.0 | -0.0261 | -0.0720 | -0.1053 | -0.1377 | -0.1430 | -0.1417 | -0.1417 | -0.1339 | -0.1250 | -0.0758 | -0.0357 |
| DELTA(BASE) | 0.0 | -1.712 | -4.722 | -6.903 | -9.029 | -9.375 | -9.294 | -9.291 | -8.781 | -8.193 | -4.972 | -2.342 |
| YOS 21 TO 30 | | | | | | | | | | | | |
| STRENGTH | 11.427 | 10.527 | 10.747 | 11.042 | 11.192 | 11.022 | 10.822 | 10.745 | 10.203 | 9.715 | 7.563 | 6.540 |
| PERCENT | 0.0 | -0.0788 | -0.0595 | -0.0337 | -0.0206 | -0.0354 | -0.0529 | -0.0597 | -0.1071 | -0.1498 | -0.3381 | -0.4277 |
| DELTA(BASE) | 0.0 | -0.900 | -0.680 | -0.385 | -0.235 | -0.405 | -0.505 | -0.682 | -1.224 | -1.712 | -3.864 | -4.887 |

Table L. D-48
Transition Case 2

| FILE: USAFO | | TRN7CAS2 A1 | VM/SP CONVERSATIONAL MONITOR SYSTEM | | | | | | | | | | PAGE 001 |
|----------------|--|-------------|-------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|----------|
| FILE: OTRNTYRF | | SCENARIO: 2 | | | | | | | | | | | |
| YEAR: | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 15 | 20 |
| ACCESSIONS | | 6.878 | 8.796 | 9.375 | 9.563 | 9.533 | 9.607 | 9.639 | 9.717 | 9.573 | 9.594 | 9.219 | 8.759 |
| DELTA(BASE) | | -0.000 | 0.124 | 0.240 | 0.322 | 0.302 | 0.329 | 0.361 | 0.383 | 0.313 | 0.332 | 0.327 | 0.316 |
| YOS 5 TO 30+ | | 77.317 | 74.586 | 71.525 | 69.295 | 67.043 | 66.346 | 66.117 | 65.968 | 65.948 | 66.067 | 67.206 | 68.756 |
| STRENGTH | | -0.000 | -0.091 | -0.396 | -0.600 | -0.856 | -1.032 | -1.135 | -1.194 | -1.196 | -1.176 | -1.105 | -1.124 |
| DELTA(BASE) | | | | | | | | | | | | | |
| YOS 5 TO 20 | | 65.569 | 63.634 | 60.361 | 57.917 | 55.550 | 55.067 | 55.121 | 55.142 | 55.655 | 56.270 | 59.677 | 62.487 |
| STRENGTH | | -0.000 | -0.223 | -0.486 | -0.749 | -0.990 | -1.127 | -1.154 | -1.136 | -1.133 | -1.106 | -0.920 | -0.740 |
| DELTA(BASE) | | | | | | | | | | | | | |
| YOS 21 TO 30 | | 11.427 | 10.574 | 10.778 | 11.027 | 11.161 | 10.927 | 10.643 | 10.496 | 9.935 | 9.449 | 7.197 | 6.016 |
| STRENGTH | | -0.000 | 0.047 | 0.031 | -0.015 | -0.031 | -0.095 | -0.179 | -0.269 | -0.268 | -0.275 | -0.366 | -0.524 |
| DELTA(BASE) | | | | | | | | | | | | | |

Table L. D-49
Transition Case 3

| FILE: USAFO | TRNTCAS3 A1 | VM/SP CONVERSATIONAL MONITOR SYSTEM | | | | | | | | | | PAGE 001 |
|----------------|-------------|-------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|----------|
| FILE: OTENTYRF | SCENARIO: 3 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 15 | 20 | |
| YEAR: | 1 | | | | | | | | | | | |
| ACCESSIONS | 6.875 | 9.253 | 9.981 | 9.942 | 10.012 | 10.027 | 10.108 | 9.944 | 9.848 | 9.539 | 9.062 | |
| DELTA(BASE) | -0.000 | 0.581 | 0.740 | 0.711 | 0.736 | 0.749 | 0.774 | 0.684 | 0.666 | 0.647 | 0.619 | |
| YOS 5 TO 30+ | | | | | | | | | | | | |
| STRENGTH | 77.317 | 74.154 | 68.102 | 65.521 | 64.882 | 64.691 | 64.568 | 64.579 | 64.751 | 66.064 | 67.694 | |
| DELTA(BASE) | -0.000 | -0.523 | -1.793 | -2.378 | -2.496 | -2.561 | -2.594 | -2.565 | -2.492 | -2.247 | -2.186 | |
| YOS 5 TO 20 | | | | | | | | | | | | |
| STRENGTH | 65.569 | 63.349 | 57.137 | 54.560 | 54.217 | 54.390 | 54.498 | 55.074 | 55.762 | 59.349 | 62.237 | |
| DELTA(BASE) | -0.000 | -0.508 | -1.529 | -1.980 | -1.977 | -1.885 | -1.780 | -1.714 | -1.614 | -1.248 | -0.990 | |
| YOS 21 TO 30 | | | | | | | | | | | | |
| STRENGTH | 11.427 | 10.408 | 10.577 | 10.590 | 10.277 | 9.913 | 9.708 | 9.116 | 8.604 | 6.382 | 5.208 | |
| DELTA(BASE) | -0.000 | -0.119 | -0.465 | -0.602 | -0.745 | -0.909 | -1.037 | -1.087 | -1.111 | -1.181 | -1.332 | |

Table L. D-50
Transition Case 4

| FILE: USAFC | 7562CAS2 A1 | VM/SP CONVERSATIONAL MONITOR SYSTEM | | | | | | | | | | PAGE 001 |
|----------------|-------------|-------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|----------|
| FILE: 07562-1F | SCENARIO: 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 15 | 20 | |
| YEAR: | 1 | | | | | | | | | | | |
| ACCESSIONS | 6.878 | 8.134 | 9.115 | 9.164 | 9.163 | 9.234 | 9.289 | 9.150 | 9.062 | 8.861 | 8.471 | |
| DELTA(BASE) | -0.000 | -0.538 | -0.126 | -0.067 | -0.115 | -0.044 | -0.045 | -0.110 | -0.120 | -0.031 | 0.028 | |
| YOS 5 TO 30+ | | | | | | | | | | | | |
| STRENGTH | 77.317 | 75.178 | 72.466 | 68.612 | 67.734 | 67.486 | 67.325 | 67.347 | 67.460 | 68.481 | 69.822 | |
| DELTA(BASE) | -0.000 | 0.501 | 0.635 | 0.713 | 0.356 | 0.234 | 0.163 | 0.203 | 0.217 | 0.170 | -0.058 | |
| YOS 5 TO 20 | | | | | | | | | | | | |
| STRENGTH | 65.569 | 63.858 | 60.793 | 56.406 | 55.617 | 55.638 | 55.613 | 56.148 | 56.742 | 60.110 | 62.782 | |
| DELTA(BASE) | -0.000 | 0.001 | -0.054 | -0.134 | -0.547 | -0.637 | -0.665 | -0.640 | -0.634 | -0.487 | -0.445 | |
| YOS 21 TO 30 | | | | | | | | | | | | |
| STRENGTH | 11.427 | 10.917 | 11.215 | 11.699 | 11.497 | 11.211 | 11.072 | 10.441 | 9.929 | 7.662 | 6.502 | |
| DELTA(BASE) | -0.000 | 0.390 | 0.468 | 0.507 | 0.475 | 0.389 | 0.327 | 0.238 | 0.214 | 0.099 | -0.038 | |

Table L. D-51
Transition Case 5

| FILE: USAFO | | 5062CAS2 A1 | VM/SP CONVERSATIONAL MONITOR SYSTEM | | | | | | | | | | PAGE 001 |
|----------------|--|-------------|-------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|----------|
| FILE: 05062-1F | | SCENARIO: 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 15 | 20 | |
| YEAR: | | | | | | | | | | | | | |
| ACCESSIONS | | 6.878 | 8.076 | 9.220 | 9.131 | 9.088 | 9.196 | 9.323 | 9.063 | 8.932 | 8.763 | 8.366 | |
| DELTA(BASE) | | -0.000 | -0.596 | -0.021 | -0.100 | -0.190 | -0.082 | -0.011 | -0.197 | -0.250 | -0.129 | -0.077 | |
| YOS 5 TO 30+ | | | | | | | | | | | | | |
| STRENGTH | | 77.317 | 75.236 | 70.542 | 68.578 | 67.736 | 67.541 | 67.420 | 67.496 | 67.675 | 68.769 | 70.290 | |
| DELTA(BASE) | | -0.000 | 0.559 | 0.647 | 0.679 | 0.358 | 0.289 | 0.258 | 0.352 | 0.432 | 0.458 | 0.410 | |
| YOS 5 TO 20 | | | | | | | | | | | | | |
| STRENGTH | | 65.569 | 64.021 | 59.017 | 56.967 | 56.270 | 56.352 | 56.470 | 57.032 | 57.590 | 60.858 | 63.490 | |
| DELTA(BASE) | | -0.000 | 0.164 | 0.351 | 0.427 | 0.076 | 0.077 | 0.192 | 0.244 | 0.274 | 0.261 | 0.263 | |
| YOS 21 TO 30 | | | | | | | | | | | | | |
| STRENGTH | | 11.427 | 10.795 | 11.094 | 11.191 | 11.006 | 10.709 | 10.485 | 9.935 | 9.516 | 7.405 | 6.408 | |
| DELTA(BASE) | | -0.000 | 0.268 | 0.052 | -0.001 | -0.016 | -0.113 | -0.260 | -0.268 | -0.199 | -0.158 | -0.132 | |

F. ADDITIONAL ALTERNATIVE. One of the many Combination variations examined either at the Fifth QRMC's initiative or as a result of Service request included a different method of handling both the COLA aspect and the pre-30 YOS retiree pay adjustment. This alternative is defined as the CPI minus 1% for life combined with a 1% subtraction for each year a retiree leaves before 30 YOS. Thus, a 20 YOS retiree would receive 40% of basic pay, a 25 YOS would receive 62.5% minus 5% or 57.5%. This equates to about a 1.5% Pre-30 YOS adjustment of the type described in Section X Volume 1. The CPI minus 1% equates, from the government's view point for budget projections, as an 80% COLA for life (vice until age 62).

Tables L.E.1 and L.E.2 provide the Service base case force profile changes for this alternative. They also show the impact of the EARLY WITHDRAWAL reallocation. Like many of the other alternatives tested, a RESTORAL reallocation was tested and found to be significantly less cost efficient and a waste of money from the government's viewpoint. The retention impact of RESTORAL's is negligible.

Figures L.E.1 - L.E.3 for officers and L.E.4 - L.E.6 for enlisted personnel show the sensitivity of the required EW for reestablishing the base case as a function of the different personnel (ACOL) discount rates (PDR) as the PDR moves from 3% to the tapered 10% the EW decreases. However, the slope of the accession and career force lines steepened which shows an increased force sensitivity to higher discount rates. This is the same on all Combination alternatives. Notice how rapidly the 21-30 YOS line moves both vertically and thus its crossover point shifts to the left. On the 3% Pre-30 YOS alternative this interaction started to the left of the accession and career force crossover for the 3% PDR and, as PDR increased, the 21-30 YOS career force increased rapidly. Incorporation of a COLA adjustment dampens this effect in the Combination alternatives. Note that in both the enlisted and officer Figures that the reaction is essentially the same, except that the enlisted 21-30 YOS is much more sensitive.

The data and for the DoD accrual cost avoidance and the trust fund cost avoidances are shown in Figures L.E.7 and L.E.8. Tables L.E.3 through L.E.5 are the GORGO model projections for the trust fund.

The NCP without reallocation is 37.67 with reallocation for 1.75/2.50 it is 45.00 (-11.3%). The ACOL cost (Billions) are as follows:

| ENLISTED | <u>No EW</u> | <u>EW</u> | OFFICER | <u>No EW</u> | <u>EW</u> |
|------------|--------------|-----------|------------|--------------|-----------|
| Force | 32,292 | 32,830 | Force | 11,700 | 11,706 |
| Retirement | 6,391 | 7,881 | Retirement | 5,082 | 3,793 |
| EW | - | 1,262 | EW | - | 347 |

Table L.E.1
CPI Minus 1% for Life Plus 1% Subtraction (PRE-30 YOS)
Strength Changes

| | Army | Navy | USMC | USAF | Army | Navy | USMC | USAF |
|--------------|----------|----------|---------|----------|---------|---------|---------|---------|
| OFFICER | | | | | | | | |
| Accessions | + 617 | + 403 | + 97 | 668 | - 153 | - 114 | - 16 | - 49 |
| Career Force | - 2,025 | - 1,390 | - 342 | - 2,359 | 435 | 372 | + 50 | 127 |
| 5-20 YOS | - 1,280 | - 1,367 | - 290 | - 1,642 | - 125 | - 358 | - 15 | - 145 |
| 11-20 YOS | - 1,848 | - 1,628 | - 334 | - 2,558 | - 85 | - 196 | - 9 | - 171 |
| 21-30 YOS | - 914 | - 201 | - 83 | - 916 | 312 | 496 | + 27 | + 22 |
| 31+ YOS | 619 | 178 | + 31 | 209 | 248 | 234 | + 38 | + 250 |
| ENLISTED | | | | | | | | |
| Accessions | - 7,477 | + 5,032 | + 2,429 | + 3,155 | - 3,829 | - 1,710 | - 987 | - 1,567 |
| Career Force | - 20,954 | - 15,893 | - 7,346 | - 10,688 | 9,675 | + 5,263 | + 2,871 | 5,162 |
| 5-20 YOS | - 15,222 | - 13,654 | - 6,455 | - 6,665 | 10,650 | + 4,644 | + 2,157 | 6,794 |
| 11-20 YOS | - 15,404 | - 12,084 | - 5,109 | - 7,391 | 7,740 | + 3,855 | + 1,547 | 4,912 |
| 21-30 YOS | - 5,368 | - 2,299 | - 908 | - 4,108 | - 993 | + 490 | + 654 | - 1,739 |
| 31+ YOS | - 4 | + 60 | + 17 | + 84 | - 18 | + 129 | + 60 | 107 |

L.E.2

Table L.E.2
CPI Minus 1Z for Life Plus 1Z Subtraction (PRE-30 YOS)
Strength Changes

| | Army | Navy | USMC | USAF | Army | Navy | USMC | USAF |
|--------------|-------|-------|-------|-------|-------|-------|-------|------|
| OFFICER | | | | | | | | |
| Accessions | + 6.6 | + 6.6 | + 5.6 | + 7.7 | - 1.6 | - 1.9 | - 0.9 | -0.6 |
| Career Force | - 3.6 | - 3.5 | - 3.2 | - 3.4 | + 0.8 | + 0.9 | + 0.5 | +0.2 |
| 5-20 YOS | - 2.6 | - 4.0 | - 3.0 | - 2.7 | + 0.3 | - 1.0 | - 0.2 | -0.2 |
| 11-20 YOS | - 8.1 | -10.3 | - 7.7 | - 8.3 | - 0.4 | - 1.2 | - 0.2 | -0.6 |
| 21-30 YOS | -14.5 | - 4.0 | - 8.1 | -11.3 | + 5.0 | + 9.9 | + 2.6 | +0.3 |
| 31+ YOS | + 96 | + 86 | + 103 | + 192 | + 141 | + 113 | + 127 | +229 |
| ENLISTED | | | | | | | | |
| Accessions | + 5.5 | + 5.7 | + 6.3 | + 4.5 | - 2.8 | - 1.9 | - 2.5 | -2.2 |
| Career Force | - 7.2 | - 8.1 | -13.9 | - 4.5 | + 3.4 | + 2.7 | + 5.5 | +2.2 |
| 5-20 YOS | - 5.7 | - 7.4 | -13.1 | - 3.0 | + 4.0 | + 2.5 | + 4.4 | +3.1 |
| 11-20 YOS | -12.9 | -15.0 | -25.8 | - 6.8 | + 6.5 | -64.8 | + 7.8 | +4.5 |
| 21-30 YOS | -27.1 | -19.9 | -26.4 | -20.4 | - 5.0 | + 4.2 | +19.0 | -8.6 |
| 31+ YOS | - 5.6 | +34.4 | +31.5 | + 114 | +25.4 | +73.7 | + 111 | +145 |

Table L.E.3

NEW PLAN HAS 90% COLA FOR MD RETIREES FOR LIFE,
A .81 SUBTRACTION PENALTY UNDER 30 YOS, AND A 1.75
EW FOR OFFICERS AND A 2.50 EW FOR ENLISTEDS IN 20 YOS.

OUTLAYS TO UNIFIED BUDGET
(% IN BILLIONS)

| FISCAL
YEAR | CURRENT
SYSTEM | COMPLETE
GRANDFATHERING
FULL COLA | COMPLETE
GRANDFATHERING
90% LIFE COLA | 12 YOS
GRANDFATHERING
90% LIFE COLA |
|----------------|-------------------|---|---|---|
| 1985 | 17.287 | | 17.287 | 17.287 |
| 1986 | 17.424 | | 17.424 | 17.424 |
| 1987 | 19.626 | | 19.626 | 19.626 |
| 1988 | 20.846 | | 20.846 | 20.846 |
| 1989 | 20.846 | | 20.846 | 20.846 |
| 1990 | 20.846 | | 20.846 | 20.846 |
| 1991 | 20.846 | | 20.846 | 20.846 |
| 1992 | 20.846 | | 20.846 | 20.846 |
| 1993 | 20.846 | | 20.846 | 20.846 |
| 1994 | 20.846 | | 20.846 | 20.846 |
| 1995 | 20.846 | | 20.846 | 20.846 |
| 1996 | 20.846 | | 20.846 | 20.846 |
| 1997 | 20.846 | | 20.846 | 20.846 |
| 1998 | 20.846 | | 20.846 | 20.846 |
| 1999 | 20.846 | | 20.846 | 20.846 |
| 2000 | 20.846 | | 20.846 | 20.846 |
| 2001 | 20.846 | | 20.846 | 20.846 |
| 2002 | 20.846 | | 20.846 | 20.846 |
| 2003 | 20.846 | | 20.846 | 20.846 |
| 2004 | 20.846 | | 20.846 | 20.846 |
| 2005 | 20.846 | | 20.846 | 20.846 |
| 2006 | 20.846 | | 20.846 | 20.846 |
| 2007 | 20.846 | | 20.846 | 20.846 |
| 2008 | 20.846 | | 20.846 | 20.846 |
| 2009 | 20.846 | | 20.846 | 20.846 |
| 2010 | 20.846 | | 20.846 | 20.846 |
| 2011 | 20.846 | | 20.846 | 20.846 |
| 2012 | 20.846 | | 20.846 | 20.846 |
| 2013 | 20.846 | | 20.846 | 20.846 |
| 2014 | 20.846 | | 20.846 | 20.846 |
| 2015 | 20.846 | | 20.846 | 20.846 |
| 2016 | 20.846 | | 20.846 | 20.846 |
| 2017 | 20.846 | | 20.846 | 20.846 |
| 2018 | 20.846 | | 20.846 | 20.846 |
| 2019 | 20.846 | | 20.846 | 20.846 |
| 2020 | 20.846 | | 20.846 | 20.846 |
| 2021 | 20.846 | | 20.846 | 20.846 |
| 2022 | 20.846 | | 20.846 | 20.846 |
| 2023 | 20.846 | | 20.846 | 20.846 |
| 2024 | 20.846 | | 20.846 | 20.846 |
| 2025 | 20.846 | | 20.846 | 20.846 |
| 2026 | 20.846 | | 20.846 | 20.846 |
| 2027 | 20.846 | | 20.846 | 20.846 |
| 2028 | 20.846 | | 20.846 | 20.846 |
| 2029 | 20.846 | | 20.846 | 20.846 |
| 2030 | 20.846 | | 20.846 | 20.846 |
| 2031 | 20.846 | | 20.846 | 20.846 |
| 2032 | 20.846 | | 20.846 | 20.846 |
| 2033 | 20.846 | | 20.846 | 20.846 |
| 2034 | 20.846 | | 20.846 | 20.846 |
| 2035 | 20.846 | | 20.846 | 20.846 |
| 2036 | 20.846 | | 20.846 | 20.846 |
| 2037 | 20.846 | | 20.846 | 20.846 |
| 2038 | 20.846 | | 20.846 | 20.846 |
| 2039 | 20.846 | | 20.846 | 20.846 |
| 2040 | 20.846 | | 20.846 | 20.846 |
| 2041 | 20.846 | | 20.846 | 20.846 |
| 2042 | 20.846 | | 20.846 | 20.846 |
| 2043 | 20.846 | | 20.846 | 20.846 |
| 2044 | 20.846 | | 20.846 | 20.846 |
| 2045 | 20.846 | | 20.846 | 20.846 |
| 2046 | 20.846 | | 20.846 | 20.846 |
| 2047 | 20.846 | | 20.846 | 20.846 |
| 2048 | 20.846 | | 20.846 | 20.846 |
| 2049 | 20.846 | | 20.846 | 20.846 |
| 2050 | 20.846 | | 20.846 | 20.846 |
| 2051 | 20.846 | | 20.846 | 20.846 |
| 2052 | 20.846 | | 20.846 | 20.846 |
| 2053 | 20.846 | | 20.846 | 20.846 |
| 2054 | 20.846 | | 20.846 | 20.846 |
| 2055 | 20.846 | | 20.846 | 20.846 |
| 2056 | 20.846 | | 20.846 | 20.846 |
| 2057 | 20.846 | | 20.846 | 20.846 |
| 2058 | 20.846 | | 20.846 | 20.846 |
| 2059 | 20.846 | | 20.846 | 20.846 |
| 2060 | 20.846 | | 20.846 | 20.846 |
| 2061 | 20.846 | | 20.846 | 20.846 |
| 2062 | 20.846 | | 20.846 | 20.846 |
| 2063 | 20.846 | | 20.846 | 20.846 |
| 2064 | 20.846 | | 20.846 | 20.846 |
| 2065 | 20.846 | | 20.846 | 20.846 |
| 2066 | 20.846 | | 20.846 | 20.846 |
| 2067 | 20.846 | | 20.846 | 20.846 |
| 2068 | 20.846 | | 20.846 | 20.846 |
| 2069 | 20.846 | | 20.846 | 20.846 |
| 2070 | 20.846 | | 20.846 | 20.846 |
| 2071 | 20.846 | | 20.846 | 20.846 |
| 2072 | 20.846 | | 20.846 | 20.846 |
| 2073 | 20.846 | | 20.846 | 20.846 |
| 2074 | 20.846 | | 20.846 | 20.846 |
| 2075 | 20.846 | | 20.846 | 20.846 |
| 2076 | 20.846 | | 20.846 | 20.846 |
| 2077 | 20.846 | | 20.846 | 20.846 |
| 2078 | 20.846 | | 20.846 | 20.846 |
| 2079 | 20.846 | | 20.846 | 20.846 |
| 2080 | 20.846 | | 20.846 | 20.846 |
| 2081 | 20.846 | | 20.846 | 20.846 |
| 2082 | 20.846 | | 20.846 | 20.846 |
| 2083 | 20.846 | | 20.846 | 20.846 |
| 2084 | 20.846 | | 20.846 | 20.846 |
| 2085 | 20.846 | | 20.846 | 20.846 |
| 2086 | 20.846 | | 20.846 | 20.846 |
| 2087 | 20.846 | | 20.846 | 20.846 |
| 2088 | 20.846 | | 20.846 | 20.846 |
| 2089 | 20.846 | | 20.846 | 20.846 |
| 2090 | 20.846 | | 20.846 | 20.846 |
| 2091 | 20.846 | | 20.846 | 20.846 |
| 2092 | 20.846 | | 20.846 | 20.846 |
| 2093 | 20.846 | | 20.846 | 20.846 |
| 2094 | 20.846 | | 20.846 | 20.846 |
| 2095 | 20.846 | | 20.846 | 20.846 |
| 2096 | 20.846 | | 20.846 | 20.846 |
| 2097 | 20.846 | | 20.846 | 20.846 |
| 2098 | 20.846 | | 20.846 | 20.846 |
| 2099 | 20.846 | | 20.846 | 20.846 |
| 2100 | 20.846 | | 20.846 | 20.846 |

Table L.E.4

NEW PLAN WAS 80% COLA FOR NO RETIREES FOR LIFE,
A .01 SUBTRACTION PENALTY UNDER 30 YOS, AND A 1.75
EM FOR OFFICERS AND A 2.50 EM FOR ENLISTED IN 20 YOS.
OUTLAYS TO UNIFIED BUDGET OVER CURRENT (DELTA)
(IN BILLIONS)

| ISCAL
YEAR | CURRENT
SYSTEM | COMPLETE
GRANDFATHERING
FULL COLA | COMPLETE
GRANDFATHERING
BOX LIFE COLA | 12 YOS
GRANDFATHERING
BOX LIFE COLA |
|---------------|-------------------|---|---|---|
| 1982 | 0.00 | | 0.00 | 0.00 |
| 1983 | 0.00 | | 0.00 | 0.00 |
| 1984 | 0.00 | | 0.00 | 0.00 |
| 1985 | 0.00 | | 0.00 | 0.00 |
| 1986 | 0.00 | | 0.00 | 0.00 |
| 1987 | 0.00 | | 0.00 | 0.00 |
| 1988 | 0.00 | | 0.00 | 0.00 |
| 1989 | 0.00 | | 0.00 | 0.00 |
| 1990 | 0.00 | | 0.00 | 0.00 |
| 1991 | 0.00 | | 0.00 | 0.00 |
| 1992 | 0.00 | | 0.00 | 0.00 |
| 1993 | 0.00 | | 0.00 | 0.00 |
| 1994 | 0.00 | | 0.00 | 0.00 |
| 1995 | 0.00 | | 0.00 | 0.00 |
| 1996 | 0.00 | | 0.00 | 0.00 |
| 1997 | 0.00 | | 0.00 | 0.00 |
| 1998 | 0.00 | | 0.00 | 0.00 |
| 1999 | 0.00 | | 0.00 | 0.00 |
| 2000 | 0.00 | | 0.00 | 0.00 |
| 2001 | 0.00 | | 0.00 | 0.00 |
| 2002 | 0.00 | | 0.00 | 0.00 |
| 2003 | 0.00 | | 0.00 | 0.00 |
| 2004 | 0.00 | | 0.00 | 0.00 |
| 2005 | 0.00 | | 0.00 | 0.00 |
| 2006 | 0.00 | | 0.00 | 0.00 |
| 2007 | 0.00 | | 0.00 | 0.00 |
| 2008 | 0.00 | | 0.00 | 0.00 |
| 2009 | 0.00 | | 0.00 | 0.00 |
| 2010 | 0.00 | | 0.00 | 0.00 |
| 2011 | 0.00 | | 0.00 | 0.00 |
| 2012 | 0.00 | | 0.00 | 0.00 |
| 2013 | 0.00 | | 0.00 | 0.00 |
| 2014 | 0.00 | | 0.00 | 0.00 |
| 2015 | 0.00 | | 0.00 | 0.00 |
| 2016 | 0.00 | | 0.00 | 0.00 |
| 2017 | 0.00 | | 0.00 | 0.00 |
| 2018 | 0.00 | | 0.00 | 0.00 |
| 2019 | 0.00 | | 0.00 | 0.00 |
| 2020 | 0.00 | | 0.00 | 0.00 |
| 2021 | 0.00 | | 0.00 | 0.00 |
| 2022 | 0.00 | | 0.00 | 0.00 |
| 2023 | 0.00 | | 0.00 | 0.00 |
| 2024 | 0.00 | | 0.00 | 0.00 |
| 2025 | 0.00 | | 0.00 | 0.00 |
| 2026 | 0.00 | | 0.00 | 0.00 |
| 2027 | 0.00 | | 0.00 | 0.00 |
| 2028 | 0.00 | | 0.00 | 0.00 |
| 2029 | 0.00 | | 0.00 | 0.00 |
| 2030 | 0.00 | | 0.00 | 0.00 |
| 2031 | 0.00 | | 0.00 | 0.00 |
| 2032 | 0.00 | | 0.00 | 0.00 |
| 2033 | 0.00 | | 0.00 | 0.00 |
| 2034 | 0.00 | | 0.00 | 0.00 |
| 2035 | 0.00 | | 0.00 | 0.00 |
| 2036 | 0.00 | | 0.00 | 0.00 |
| 2037 | 0.00 | | 0.00 | 0.00 |
| 2038 | 0.00 | | 0.00 | 0.00 |
| 2039 | 0.00 | | 0.00 | 0.00 |
| 2040 | 0.00 | | 0.00 | 0.00 |
| 2041 | 0.00 | | 0.00 | 0.00 |
| 2042 | 0.00 | | 0.00 | 0.00 |
| 2043 | 0.00 | | 0.00 | 0.00 |
| 2044 | 0.00 | | 0.00 | 0.00 |
| 2045 | 0.00 | | 0.00 | 0.00 |
| 2046 | 0.00 | | 0.00 | 0.00 |
| 2047 | 0.00 | | 0.00 | 0.00 |
| 2048 | 0.00 | | 0.00 | 0.00 |
| 2049 | 0.00 | | 0.00 | 0.00 |
| 2050 | 0.00 | | 0.00 | 0.00 |
| 2051 | 0.00 | | 0.00 | 0.00 |
| 2052 | 0.00 | | 0.00 | 0.00 |
| 2053 | 0.00 | | 0.00 | 0.00 |
| 2054 | 0.00 | | 0.00 | 0.00 |
| 2055 | 0.00 | | 0.00 | 0.00 |
| 2056 | 0.00 | | 0.00 | 0.00 |
| 2057 | 0.00 | | 0.00 | 0.00 |
| 2058 | 0.00 | | 0.00 | 0.00 |
| 2059 | 0.00 | | 0.00 | 0.00 |
| 2060 | 0.00 | | 0.00 | 0.00 |
| 2061 | 0.00 | | 0.00 | 0.00 |
| 2062 | 0.00 | | 0.00 | 0.00 |
| 2063 | 0.00 | | 0.00 | 0.00 |
| 2064 | 0.00 | | 0.00 | 0.00 |
| 2065 | 0.00 | | 0.00 | 0.00 |
| 2066 | 0.00 | | 0.00 | 0.00 |
| 2067 | 0.00 | | 0.00 | 0.00 |
| 2068 | 0.00 | | 0.00 | 0.00 |
| 2069 | 0.00 | | 0.00 | 0.00 |
| 2070 | 0.00 | | 0.00 | 0.00 |
| 2071 | 0.00 | | 0.00 | 0.00 |
| 2072 | 0.00 | | 0.00 | 0.00 |
| 2073 | 0.00 | | 0.00 | 0.00 |
| 2074 | 0.00 | | 0.00 | 0.00 |
| 2075 | 0.00 | | 0.00 | 0.00 |
| 2076 | 0.00 | | 0.00 | 0.00 |
| 2077 | 0.00 | | 0.00 | 0.00 |
| 2078 | 0.00 | | 0.00 | 0.00 |
| 2079 | 0.00 | | 0.00 | 0.00 |
| 2080 | 0.00 | | 0.00 | 0.00 |
| 2081 | 0.00 | | 0.00 | 0.00 |
| 2082 | 0.00 | | 0.00 | 0.00 |
| 2083 | 0.00 | | 0.00 | 0.00 |
| 2084 | 0.00 | | 0.00 | 0.00 |
| 2085 | 0.00 | | 0.00 | 0.00 |
| 2086 | 0.00 | | 0.00 | 0.00 |
| 2087 | 0.00 | | 0.00 | 0.00 |
| 2088 | 0.00 | | 0.00 | 0.00 |
| 2089 | 0.00 | | 0.00 | 0.00 |
| 2090 | 0.00 | | 0.00 | 0.00 |
| 2091 | 0.00 | | 0.00 | 0.00 |
| 2092 | 0.00 | | 0.00 | 0.00 |
| 2093 | 0.00 | | 0.00 | 0.00 |
| 2094 | 0.00 | | 0.00 | 0.00 |
| 2095 | 0.00 | | 0.00 | 0.00 |
| 2096 | 0.00 | | 0.00 | 0.00 |
| 2097 | 0.00 | | 0.00 | 0.00 |
| 2098 | 0.00 | | 0.00 | 0.00 |
| 2099 | 0.00 | | 0.00 | 0.00 |
| 2100 | 0.00 | | 0.00 | 0.00 |

Table L.E.5

NEW PLAN HAS 80% COLA FOR NO RETIREES FOR LIFE,
A .01 SUBTRACTION PENALTY UNDER 30 YOS, AND A 1.75
EW FOR OFFICERS AND A 2.50 EW FOR ENLISTEDS IN 20 YOS.

OUTLAYS TO UNIFIED BUDGET OVER CURRENT (PERCENT REDUCTIONS)
(PERCENTS)

| FISCAL
YEAR | CURRENT
SYSTEM | COMPLETE
GRANDFATHERING
FULL COLA | COMPLETE
GRANDFATHERING
80% LIFE COLA | 12 YOS
GRANDFATHERING
80% LIFE COLA |
|----------------|-------------------|---|---|---|
| 1983 | 0.0 | | 0.246 | 0.243 |
| 1984 | 0.0 | | 0.246 | 0.243 |
| 1985 | 0.0 | | 1.082 | 1.071 |
| 1986 | 0.0 | | 2.236 | 2.233 |
| 1987 | 0.0 | | 2.236 | 2.233 |
| 1988 | 0.0 | | 2.236 | 2.233 |
| 1989 | 0.0 | | 2.236 | 2.233 |
| 1990 | 0.0 | | 2.236 | 2.233 |
| 1991 | 0.0 | | 2.236 | 2.233 |
| 1992 | 0.0 | | 2.236 | 2.233 |
| 1993 | 0.0 | | 2.236 | 2.233 |
| 1994 | 0.0 | | 2.236 | 2.233 |
| 1995 | 0.0 | | 2.236 | 2.233 |
| 1996 | 0.0 | | 2.236 | 2.233 |
| 1997 | 0.0 | | 2.236 | 2.233 |
| 1998 | 0.0 | | 2.236 | 2.233 |
| 1999 | 0.0 | | 2.236 | 2.233 |
| 2000 | 0.0 | | 2.236 | 2.233 |
| 2001 | 0.0 | | 2.236 | 2.233 |
| 2002 | 0.0 | | 2.236 | 2.233 |
| 2003 | 0.0 | | 2.236 | 2.233 |
| 2004 | 0.0 | | 2.236 | 2.233 |
| 2005 | 0.0 | | 2.236 | 2.233 |
| 2006 | 0.0 | | 2.236 | 2.233 |
| 2007 | 0.0 | | 2.236 | 2.233 |
| 2008 | 0.0 | | 2.236 | 2.233 |
| 2009 | 0.0 | | 2.236 | 2.233 |
| 2010 | 0.0 | | 2.236 | 2.233 |
| 2011 | 0.0 | | 2.236 | 2.233 |
| 2012 | 0.0 | | 2.236 | 2.233 |
| 2013 | 0.0 | | 2.236 | 2.233 |
| 2014 | 0.0 | | 2.236 | 2.233 |
| 2015 | 0.0 | | 2.236 | 2.233 |
| 2016 | 0.0 | | 2.236 | 2.233 |
| 2017 | 0.0 | | 2.236 | 2.233 |
| 2018 | 0.0 | | 2.236 | 2.233 |
| 2019 | 0.0 | | 2.236 | 2.233 |
| 2020 | 0.0 | | 2.236 | 2.233 |
| 2021 | 0.0 | | 2.236 | 2.233 |
| 2022 | 0.0 | | 2.236 | 2.233 |
| 2023 | 0.0 | | 2.236 | 2.233 |
| 2024 | 0.0 | | 2.236 | 2.233 |
| 2025 | 0.0 | | 2.236 | 2.233 |
| 2026 | 0.0 | | 2.236 | 2.233 |
| 2027 | 0.0 | | 2.236 | 2.233 |
| 2028 | 0.0 | | 2.236 | 2.233 |
| 2029 | 0.0 | | 2.236 | 2.233 |
| 2030 | 0.0 | | 2.236 | 2.233 |
| 2031 | 0.0 | | 2.236 | 2.233 |
| 2032 | 0.0 | | 2.236 | 2.233 |
| 2033 | 0.0 | | 2.236 | 2.233 |
| 2034 | 0.0 | | 2.236 | 2.233 |
| 2035 | 0.0 | | 2.236 | 2.233 |
| 2036 | 0.0 | | 2.236 | 2.233 |
| 2037 | 0.0 | | 2.236 | 2.233 |
| 2038 | 0.0 | | 2.236 | 2.233 |
| 2039 | 0.0 | | 2.236 | 2.233 |
| 2040 | 0.0 | | 2.236 | 2.233 |
| 2041 | 0.0 | | 2.236 | 2.233 |
| 2042 | 0.0 | | 2.236 | 2.233 |
| 2043 | 0.0 | | 2.236 | 2.233 |
| 2044 | 0.0 | | 2.236 | 2.233 |
| 2045 | 0.0 | | 2.236 | 2.233 |
| 2046 | 0.0 | | 2.236 | 2.233 |
| 2047 | 0.0 | | 2.236 | 2.233 |
| 2048 | 0.0 | | 2.236 | 2.233 |
| 2049 | 0.0 | | 2.236 | 2.233 |
| 2050 | 0.0 | | 2.236 | 2.233 |
| 2051 | 0.0 | | 2.236 | 2.233 |
| 2052 | 0.0 | | 2.236 | 2.233 |
| 2053 | 0.0 | | 2.236 | 2.233 |
| 2054 | 0.0 | | 2.236 | 2.233 |
| 2055 | 0.0 | | 2.236 | 2.233 |
| 2056 | 0.0 | | 2.236 | 2.233 |
| 2057 | 0.0 | | 2.236 | 2.233 |
| 2058 | 0.0 | | 2.236 | 2.233 |
| 2059 | 0.0 | | 2.236 | 2.233 |
| 2060 | 0.0 | | 2.236 | 2.233 |
| 2061 | 0.0 | | 2.236 | 2.233 |
| 2062 | 0.0 | | 2.236 | 2.233 |
| 2063 | 0.0 | | 2.236 | 2.233 |
| 2064 | 0.0 | | 2.236 | 2.233 |
| 2065 | 0.0 | | 2.236 | 2.233 |
| 2066 | 0.0 | | 2.236 | 2.233 |
| 2067 | 0.0 | | 2.236 | 2.233 |
| 2068 | 0.0 | | 2.236 | 2.233 |
| 2069 | 0.0 | | 2.236 | 2.233 |
| 2070 | 0.0 | | 2.236 | 2.233 |
| 2071 | 0.0 | | 2.236 | 2.233 |
| 2072 | 0.0 | | 2.236 | 2.233 |
| 2073 | 0.0 | | 2.236 | 2.233 |
| 2074 | 0.0 | | 2.236 | 2.233 |
| 2075 | 0.0 | | 2.236 | 2.233 |
| 2076 | 0.0 | | 2.236 | 2.233 |
| 2077 | 0.0 | | 2.236 | 2.233 |
| 2078 | 0.0 | | 2.236 | 2.233 |
| 2079 | 0.0 | | 2.236 | 2.233 |
| 2080 | 0.0 | | 2.236 | 2.233 |
| 2081 | 0.0 | | 2.236 | 2.233 |
| 2082 | 0.0 | | 2.236 | 2.233 |
| 2083 | 0.0 | | 2.236 | 2.233 |
| 2084 | 0.0 | | 2.236 | 2.233 |
| 2085 | 0.0 | | 2.236 | 2.233 |
| 2086 | 0.0 | | 2.236 | 2.233 |
| 2087 | 0.0 | | 2.236 | 2.233 |
| 2088 | 0.0 | | 2.236 | 2.233 |
| 2089 | 0.0 | | 2.236 | 2.233 |
| 2090 | 0.0 | | 2.236 | 2.233 |
| 2091 | 0.0 | | 2.236 | 2.233 |
| 2092 | 0.0 | | 2.236 | 2.233 |
| 2093 | 0.0 | | 2.236 | 2.233 |
| 2094 | 0.0 | | 2.236 | 2.233 |
| 2095 | 0.0 | | 2.236 | 2.233 |
| 2096 | 0.0 | | 2.236 | 2.233 |
| 2097 | 0.0 | | 2.236 | 2.233 |
| 2098 | 0.0 | | 2.236 | 2.233 |
| 2099 | 0.0 | | 2.236 | 2.233 |
| 2100 | 0.0 | | 2.236 | 2.233 |

FORCE LEVELS VS EARLY WITHDRAWALS

PERCENT

EARLY WITHDRAWAL PERCENT OF BASIC PAY

LEGEND: I

| Early Withdrawal Percent of Basic Pay | Accessions | Career Force | 5 to 20 YOS | 21 to 30 YOS |
|---------------------------------------|------------|--------------|-------------|--------------|
| 0 | 10 | -17 | -4 | -2 |
| 250 | 0 | 0 | 0 | 0 |
| 550 | 0 | 0 | 0 | 0 |

FORCE LEVELS VS EARLY WITHDRAWALS

AMOUNT

EARLY WITHDRAWAL PERCENT OF BASIC PAY

LEGEND: I

- ACCESSIONS
- CAREER FORCE
- 5 TO 20 YOS
- 21 TO 30 YOS

L-E-7

Figure L.E.3

FORCE LEVELS VS EARLY WITHDRAWALS

CPI - 1 PCT AND 1 PCT PRE-30 YOS SUBTRACTION
AND VARIABLE EARLY WITHDRAWALS (TAPERED PCT PDR)
OFFICER POPULATION

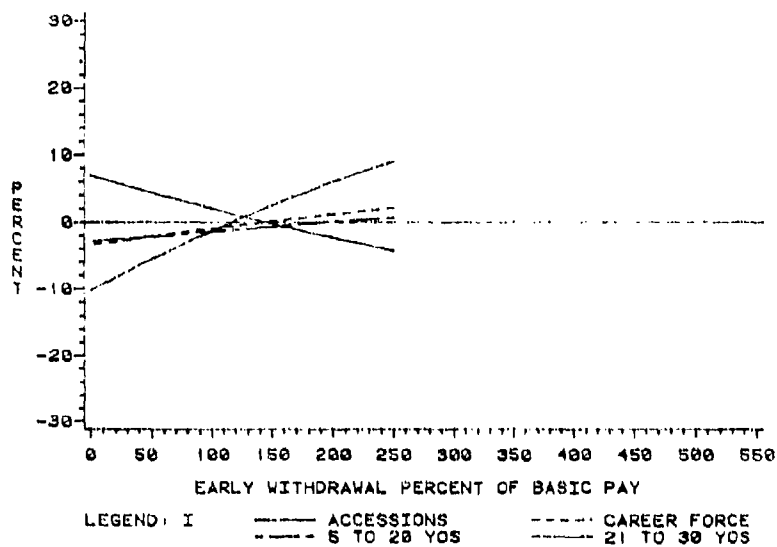
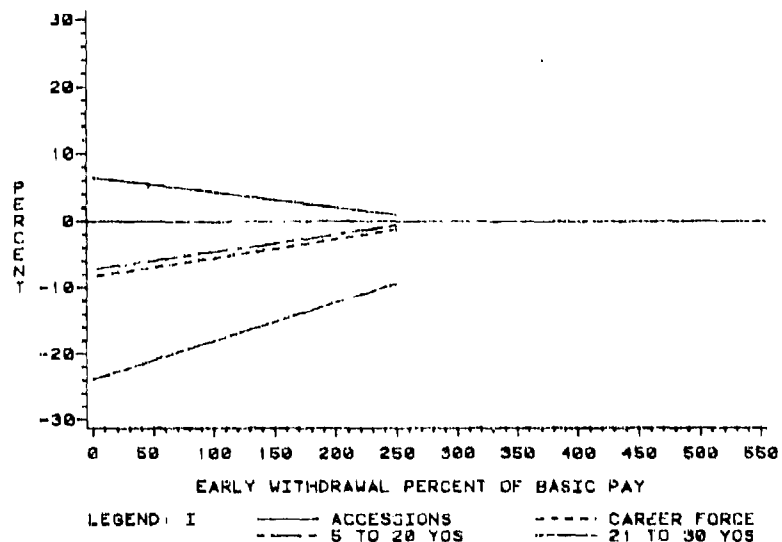


Figure L.E.4

FORCE LEVELS VS EARLY WITHDRAWALS

CPI - 1 PCT AND 1 PCT PRE-30 YOS SUBTRACTION
AND VARIABLE EARLY WITHDRAWALS (3 PCT PDR)
ENLISTED POPULATION



L-E-8

Figure L.E.5
FORCE LEVELS VS EARLY WITHDRAWALS

CPI - 1 PCT AND 1 PCT PRE-30 YOS SUBTRACTION
 AND VARIABLE EARLY WITHDRAWALS (10 PCT PDR)
 ENLISTED POPULATION

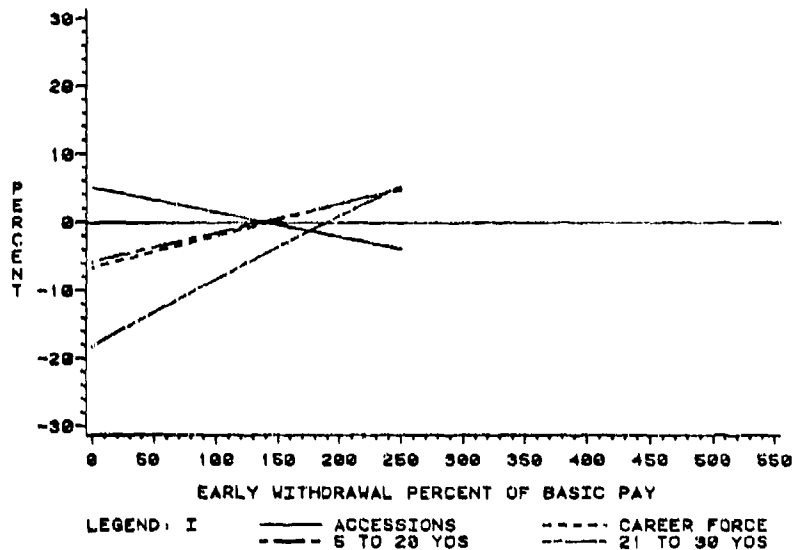


Figure L.E.6
FORCE LEVELS VS EARLY WITHDRAWALS

CPI - 1 PCT AND 1 PCT PRE-30 YOS SUBTRACTION
 AND VARIABLE EARLY WITHDRAWALS (TAPERED PDR)
 ENLISTED POPULATION

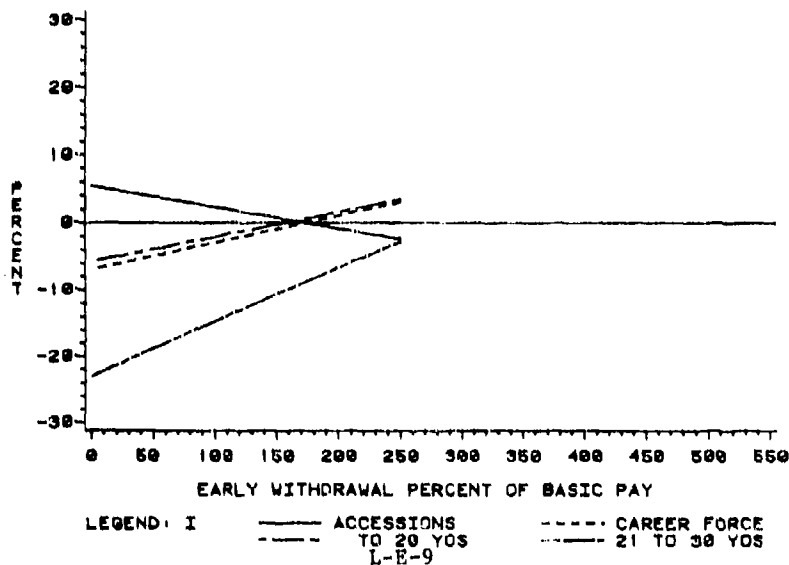


Figure L.E.7

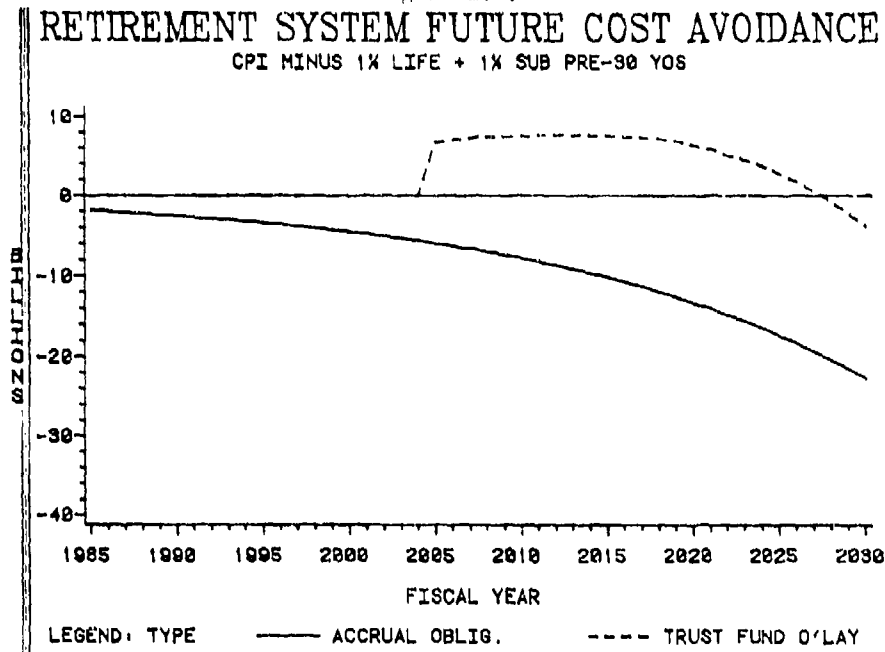
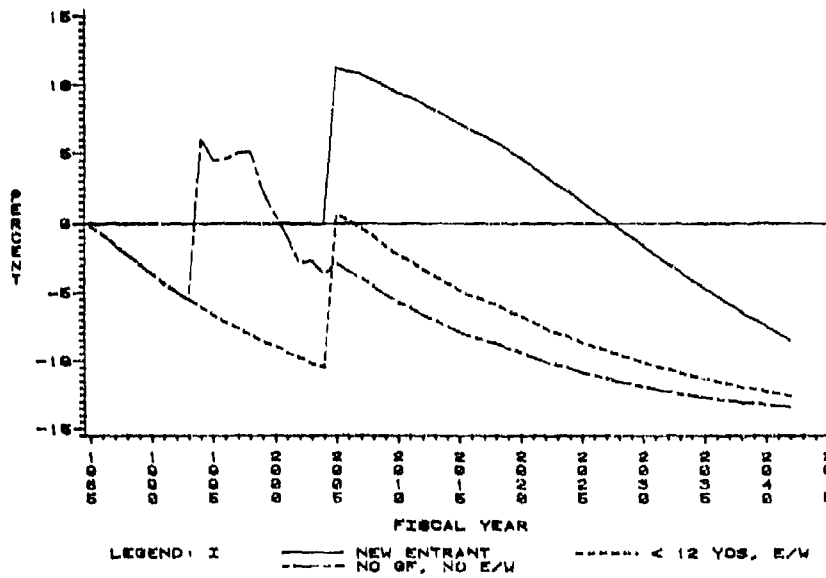


Figure L.E.8

PERCENT CHANGE IN TRUST FUND OUTLAYS

BY FISCAL YEAR
CPI MINUS 1% LIFE + 1% SUB PRE-90 YOS



**SOCIAL SECURITY SURVIVOR
AND
DISABILITY BENEFITS**



**PRIMARY ANALYST
MAJ ROY E. SMOKER, USAF**

SOCIAL SECURITY INTEGRATION

I. INTRODUCTION.

A. OBJECTIVE. To examine the issue of social security integration in conjunction with the review of the Uniformed Services retirement system undertaken by the Fifth QRC.

B. BACKGROUND. Since the Uniformed Services compensation system is not generally thought to be directly integrated with social security, private-sector pension plans provided examples of integration methodology. Three general methods of integration existing in the private sector are:

1. Integrating the amount of retirement plan contribution with the social security tax. This is a relatively new concept where the employer pays both the employee and employer share of the social security tax. The employee's retirement benefit is then reduced accordingly.

2. Offsetting the retirement benefits paid to the employee by some percentage of the benefits payable from social security.

3. Providing retirement benefits only on earnings in excess of those earnings upon which Social Security benefits are based.

Although several plans for the integration of the Uniformed Services retirement system with social security have been proposed in recent years, most have evolved around an offset to the retirement annuity. In general, the basis for those proposals is the premise that social security benefits based on Service earnings are equal to social security benefits arising from private-sector earnings for workers with equal earnings levels. This premise is not considered valid because a significant portion of an individual's Service earnings is in the form of compensation in-kind or non-taxable earnings and, therefore, are not covered by social security.

II. DISCUSSION.

A. OVERVIEW. An evaluation of the current Service compensation package was undertaken to determine the amount by which social security benefits are reduced due to compensation in-kind and/or non-taxable earnings. The advantages and disadvantages of alternative methods of integration with social security then were developed. Three specific scenarios were reviewed:

1. Maintenance of the current compensation system with its implicit social security benefit offset.

2. Integration of the current compensation system with social security benefits by inclusion of an offset against retirement benefits as proposed in the Retirement Modernization Act (RMA).

3. Integration of the current compensation system with social security benefits taking into account: post-Service earnings, the reduced benefit resulting from compensation in-kind and/or non-taxable income, and the 50% offset specified by the RMA.

B. OFFSET METHODS. Anytime an explicit offset is calculated, various methods can be used to obtain this offset. Scenario I assumes no civilian earnings subsequent to Service retirement. This assumption allows a pure comparison between the derived social security benefit (Primary Insurance Amount), based on an assumed period of service, and the corresponding current "covered" wages. These wages include the annual \$1,200 wage credit presently provided for servicemembers with "covered" income less than the social security maximum wage, and the derived benefit based on the same assumed period of service but with "covered" earnings encompassing the parameters of Basic Military Compensation (BMC). The "covered" earnings include the value of compensation in-kind, non-taxable earnings and the tax advantage. It becomes apparent from this benefit comparison that a reduced social security benefit does occur as a result of the current non-inclusion of compensation in-kind and/or non-taxable earnings in the benefit computation base. For enlisted personnel with the characteristics displayed in Table M-1, this reduction in payable benefit ranges between \$58 and \$114 (16-19%) per month for paygrades E-6 through E-9 as shown in Scenario I, Table M-3. In the case of officers, a reduction ranging from \$59 to \$19 (13-3%) per month is evidenced for paygrades O-3 through O-6. The greater magnitude of benefit reduction reflected for enlisted versus officer personnel is due to the fact that the officer "covered" wages approach the social security wage maximum more rapidly and actually exceed the maximum at paygrade O-5, Table M-2. The resultant reduced social security benefit, stemming from the non-inclusion of all Service pay in the benefit computation base, aptly demonstrates that an implicit integration of the social security and Service retirement systems is in fact currently operative.

The Retirement Modernization Act (RMA) proposed an offset against the Uniformed Service retirement annuity of 50% of the social security benefit. The 50% offset value corresponds to the Department of Defense's social security tax contribution on behalf of the individual member. It is important to note that the RMA proposal did not take into account the implicit benefit reduction already operative as the result of the non-inclusion of compensation in-kind, non-taxable earnings and the tax advantage. Thus, an attempt to assess a straight 50% offset to the Service retirement annuity as proposed under RMA would effectively apply an offset of 66% to 69% to the benefit based on BMC in the case of enlisted personnel and a 63% to 53% offset for officers.

One problem associated with the integration as depicted by Scenarios I and II (Tables M-3 and M-4, respectively) is that both were based on Service earnings only and did not account for the likelihood that the social security benefit received at age 66 would be based to some degree on the servicemember's civilian employment subsequent to Service retirement. In this situation, a fair and equitable attribution

of earnings relative to the amount of social security benefit resulting from Service versus civilian earnings is essential. This assessment, relative to the integration of the current Uniformed Service retirement system with social security when there are post-Service earnings, constitutes Scenario III. A comparison of the total "covered" Service and civilian indexed earnings streams utilizing earnings data from the 1979 Census was employed. It was determined from this comparison that the Service earnings portion of the total social security benefit computation base ranged from 16% for paygrade E-6 to 55% for paygrade O-6.

Accordingly, attribution of the derived social security benefit (Service versus civilian) would reasonably seem to be proportionate. If this approach is effected as shown in Scenario IIIa (Table M-5), application of the social security benefit attributable to Service earnings generally would be smaller than derived at Scenario II; i.e., \$47 to \$154 per month for enlisted personnel and \$99 to \$199 for officers, as opposed to enlisted personnel and officer offset ranges of \$186 to \$295 and \$233 to \$322, respectively.

By substituting BMC to develop the indexed earnings stream used in the social security benefit computation, an implicit benefit reduction results when compared to the benefit derived from the current "covered" Service earnings stream. As in the case of Scenario I the non-inclusion of the compensation in-kind, non-taxable earnings and tax advantage serves to lower the actual benefit the servicemember receives at age 66. For the enlisted categories (E-6 through E-9) reviewed, Scenario IIIb (Table M-6) indicates this reduction ranges between \$27 and \$71 per month (22-19% of the benefit attributable to Service earnings). In the case of officers (O-3 through O-6), this benefit reduction ranges from \$36 to \$20 per month (15-5%).

When evaluating an employment career with only Service earnings or one consisting of both Service and civilian earnings, an implied offset to social security benefits of approximately 20% for enlisted personnel, 10-15% for junior grade officers and 3-7% for senior grade officers is inherent in the current system in either case. Hence, it is concluded that the current Uniformed Services retirement system and social security are currently integrated to a significant extent.

III. METHODOLOGY. Table M-1 provided the assumed Service, age at entry, year of entry and rank at retirement for the nine cases that were used to examine the effects of the various approaches to the offset problem. In every case, it was assumed that service started in 1972, and was followed by civilian employment until age 66 was reached, at which time social security benefits began. In all cases, it was necessary to project Service and civilian earnings into the future by inflating current earnings by 5.5% per year. A program for computing Primary Insurance Amounts (PIAs) was obtained from the social security actuaries and was modified to incorporate the changes in the social security benefit computation that were caused by the 1983 amendments to the social security act. The only change that affected the computation of the PIAs in this study was the delay of the retirement age from age 65 to age 66. The program was modified to allow inclusion of the \$1,200 per year gratuitous wage credits in the Service part of the earning's history. In addition, basic allowance for quarters (BAQ), basic allowance for subsistence (BAS) and the Federal tax advantage were added to basic pay to allow PIAs to be calculated on the basis of basic military compensation (BMC). For each case, all PIAs were discounted to 1982 at the rate of 5.5% per year to put them in 1982 constant dollars.

Table M-1
Case Characteristics

| Case | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|-------------------|-------|-------|-------|-------|-------|-------|-----|-----|-----|
| Entry Age | 18 | 18 | 18 | 22 | 22 | 22 | 22 | 22 | 22 |
| Years of Military | 20 | 22 | 26 | 30 | 20 | 20 | 20 | 22 | 28 |
| Retired Rank | E-6 | E-7 | E-8 | E-9 | O-3 | O-4 | O-5 | O-5 | O-6 |
| Years of Service | | | | | | | | | |
| 1 | E-1/2 | E-1/2 | E-1/2 | E-1/2 | E-1/2 | E-1/2 | O-1 | O-1 | O-1 |
| 2 | E-3 | E-3 | E-3 | E-3 | E-3 | E-3 | O-1 | O-1 | O-1 |
| 3 | E-3 | E-3 | E-3 | E-3 | E-3 | E-3 | O-2 | O-2 | O-2 |
| 4 | E-4 | E-4 | E-4 | E-4 | E-4 | E-4 | O-2 | O-2 | O-2 |
| 5 | E-4 | E-4 | E-4 | E-4 | E-4 | E-4 | O-3 | O-3 | O-3 |
| 6 | E-4 | E-4 | E-4 | E-4 | E-5 | O-1 | O-3 | O-3 | O-3 |
| 7 | E-5 | E-5 | E-5 | E-5 | E-5 | O-1 | O-3 | O-3 | O-3 |
| 8 | E-5 | E-5 | E-5 | E-5 | O-1 | O-2 | O-3 | O-3 | O-3 |
| 9 | E-5 | E-5 | E-5 | E-5 | O-2 | O-3 | O-3 | O-3 | O-3 |
| 10 | E-5 | E-5 | E-5 | E-5 | O-2 | O-3 | O-3 | O-3 | O-3 |
| 11 | E-5 | E-5 | E-5 | E-5 | O-2 | O-3 | O-4 | O-4 | O-4 |
| 12 | E-5 | E-6 | E-6 | E-6 | O-3 | O-3 | O-4 | O-4 | O-4 |
| 13 | E-6 | E-6 | E-6 | E-6 | O-3 | O-3 | O-4 | O-4 | O-4 |
| 14 | E-6 | E-6 | E-6 | E-6 | O-3 | O-3 | O-4 | O-4 | O-4 |
| 15 | E-6 | E-6 | E-6 | E-6 | O-3 | O-3 | O-4 | O-4 | O-4 |
| 16 | E-6 | E-6 | E-6 | E-6 | O-3 | O-3 | O-5 | O-5 | O-5 |
| 17 | E-6 | E-6 | E-6 | E-6 | O-3 | O-4 | O-5 | O-5 | O-5 |
| 18 | E-6 | E-6 | E-6 | E-6 | O-3 | O-4 | O-5 | O-5 | O-5 |
| 19 | E-6 | E-6 | E-6 | E-6 | O-3 | O-4 | O-5 | O-5 | O-5 |
| 20 | E-6 | E-6 | E-6 | E-6 | O-3 | O-4 | O-5 | O-5 | O-5 |
| 21 | E-6 | E-6 | E-6 | E-6 | O-3 | O-4 | O-5 | O-5 | O-5 |
| 22 | E-6 | E-6 | E-6 | E-6 | O-3 | O-4 | O-5 | O-5 | O-5 |
| 23 | E-6 | E-6 | E-6 | E-6 | O-3 | O-4 | O-5 | O-5 | O-5 |
| 24 | E-6 | E-6 | E-6 | E-6 | O-3 | O-4 | O-5 | O-5 | O-5 |
| 25 | E-6 | E-6 | E-6 | E-6 | O-3 | O-4 | O-5 | O-5 | O-5 |
| 26 | E-6 | E-6 | E-6 | E-6 | O-3 | O-4 | O-5 | O-5 | O-5 |
| 27 | E-6 | E-6 | E-6 | E-6 | O-3 | O-4 | O-5 | O-5 | O-5 |
| 28 | E-6 | E-6 | E-6 | E-6 | O-3 | O-4 | O-5 | O-5 | O-5 |
| 29 | E-6 | E-6 | E-6 | E-6 | O-3 | O-4 | O-5 | O-5 | O-5 |
| 30 | E-6 | E-6 | E-6 | E-6 | O-3 | O-4 | O-5 | O-5 | O-5 |

Table M-2
Value of Wage Credit Compared Its Intended Purpose (FY82)

1983 Social Security Maximum: \$35,700
Wage Credit: \$ 1,200

| Grade | Social Security
Maximum Exceeds
Basic Pay* by: | BAQ + VHA
+ BAS | Wage Credit
Shortfall** | Shortfall as
% of Basic Pay |
|-------|--|--------------------|----------------------------|--------------------------------|
| O-10 | N/A | \$10,813.68 | 0 | - |
| O-9 | N/A | 11,094.63 | 0 | - |
| O-8 | N/A | 10,979.20 | 0 | - |
| O-7 | N/A | 10,851.92 | 0 | - |
| O-6 | N/A | 9,675.37 | 0 | - |
| O-5 | N/A | 8,992.86 | 0 | - |
| O-4 | \$ 5,444.12 | 8,251.95 | \$4,244.12 | 14.1 |
| O-3 | 11,156.77 | 6,874.15 | 5,674.15 | 23.1 |
| O-2 | 17,322.35 | 5,840.97 | 4,640.97 | 25.3 |
| O-1 | 21,791.65 | 5,070.27 | 3,870.27 | 27.8 |
| W-4 | 7,372.24 | 7,524.13 | 6,172.24 | 21.8 |
| W-3 | 12,938.53 | 6,799.19 | 5,599.19 | 29.6 |
| W-2 | 16,264.83 | 6,451.25 | 5,251.25 | 27.0 |
| W-1 | 19,385.17 | 5,654.54 | 4,454.54 | 27.3 |
| E-9 | 10,607.43 | 7,773.04 | 6,573.09 | 26.2 |
| E-8 | 15,002.83 | 7,356.08 | 6,156.08 | 29.7 |
| E-7 | 18,526.68 | 6,892.47 | 5,692.47 | 33.1 |
| E-6 | 21,549.79 | 6,315.31 | 5,115.31 | 36.2 |
| E-5 | 24,184.43 | 5,572.98 | 4,372.98 | 38.0 |
| E-4 | 26,105.93 | 4,735.11 | 3,535.11 | 36.8 |
| E-3 | 27,419.93 | 4,425.90 | 3,225.90 | 39.0 |
| E-2 | 27,985.20 | 3,985.79 | 2,785.79 | 36.1 |
| E-1 | 28,816.80 | 3,743.57 | 2,543.57 | 37.0 |

* Assumes 1 Oct 82 Basic Pay averages by grade for all DoD military personnel. Excludes Special and Incentive pays.

** Amount BAQ + VHA + BAS exceed \$1,200 wage credit up to the Social Security maximum.

Table M-3
Scenario I
Implied Offset of Current System
(FY82 Constant Dollars)

| Case | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|------------|-----------|-----------|-----------|-----------|----------|----------|----------|----------|
| Entry Age | 18 | 18 | 18 | 18 | 22 | 22 | 22 | 22 | 22 |
| Years of Military Service | 20 | 22 | 26 | 30 | 20 | 20 | 20 | 22 | 28 |
| Years of Civilian Service | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Highest Military Grade | E6 | E7 | E8 | E9 | O3 | O4 | O5 | O5 | O6 |
| 1) Military Primary Insurance Amount (PIA) Including Wage Credits | \$ 312.64 | \$340.85 | \$399.92 | \$475.84 | \$406.22 | \$434.76 | \$488.00 | \$532.38 | \$624.94 |
| 2) Military PIA Based on Basic Military Compensation (BMC) | 371.08 | 410.72 | 492.29 | 589.98 | 465.44 | 485.26 | 524.94 | 570.21 | 643.58 |
| 3) PIA Difference | 58.44 | 69.87 | 92.37 | 114.14 | 59.22 | 50.50 | 36.94 | 37.83 | 18.64 |
| 4) Implied Offset Percent* | 16% | 17% | 19% | 19% | 13% | 10% | 7% | 7% | 3% |
| 5) Annual Implied Offset | 701.28 | 838.44 | 1,108.44 | 1,369.68 | 710.64 | 606.00 | 443.28 | 453.96 | 223.68 |
| 6) Expected Lifetime Remaining After Age 66 | 13.5 | 13.5 | 13.5 | 13.5 | 15.3 | 15.3 | 15.3 | 15.3 | 15.3 |
| 7) Total Lifetime Value of Implied Offset | \$9,467.28 | 11,318.94 | 14,963.94 | 18,490.68 | 10,872.79 | 9,271.80 | 6,782.18 | 6,945.59 | 3,422.30 |

*Implied Offset Percent - PIA Difference - Military PIA Based on Basic Military Compensation

Table M-4
Scenario II
Retirement Modernization Act Offset
(FY82 Constant Dollars)

| Case | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|--|-------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Entry Age | 18 | 18 | 18 | 18 | 22 | 22 | 22 | 22 | 22 |
| Years of Military Service | 20 | 22 | 26 | 30 | 20 | 20 | 20 | 22 | 28 |
| Years of Civilian Service | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Highest Military Grade | E6 | E7 | E8 | E9 | O3 | O4 | O5 | O5 | O6 |
| 1) Military Primary Insurance Amount (PIA) Based on BMC | \$ 371.08 | \$410.72 | \$492.29 | \$589.98 | \$465.44 | \$485.26 | \$524.94 | \$570.21 | \$643.58 |
| 2) 50% Offset | 185.54 | 205.36 | 246.15 | 294.99 | 232.72 | 242.63 | 262.47 | 285.10 | 321.79 |
| 3) Implied Offset (from Scenario I) | -58.44 | -69.87 | -92.37 | -114.14 | -59.22 | -50.50 | -36.94 | -37.83 | -18.64 |
| 4) Adjusted Offset | 127.10 | 135.49 | 153.78 | 180.85 | 173.50 | 192.13 | 225.53 | 247.27 | 303.15 |
| 5) Annual Adjusted Offset | 1,525.20 | 1,625.88 | 1,845.36 | 2,170.20 | 2,082.00 | 2,305.56 | 2,706.36 | 2,967.24 | 3,637.80 |
| 6) Expected Lifetime Remaining After Age 66 | 13.5 | 13.5 | 13.5 | 13.5 | 15.3 | 15.3 | 15.3 | 15.3 | 15.3 |
| 7) Adjusted Lifetime Offset | \$20,592.20 | 21,949.38 | 24,912.36 | 29,297.70 | 31,854.60 | 35,275.07 | 41,407.31 | 45,398.77 | 55,658.34 |
| 8) Adjusted Offset as a Percent of Military PIA Based on BMC | 34% | 33% | 31% | 31% | 37% | 40% | 43% | 43% | 47% |

Table M-5
Scenario IIIa
Corrected Attribution of Social Security Insurance Amount (PIA) to Service Earnings 1/
(FY82 Constant Dollars)

| Case | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Entry Age | 18 | 18 | 18 | 18 | 22 | 22 | 22 | 22 | 22 |
| Years of Military Service | 20 | 22 | 26 | 30 | 20 | 20 | 20 | 22 | 28 |
| Years of Civilian Service | 28 | 26 | 22 | 18 | 24 | 24 | 24 | 22 | 16 |
| Highest Military Grade | E6 | E7 | E8 | E9 | O3 | O4 | O5 | O5 | O6 |
| 1) Total Indexed Earnings | \$ 578,603 | \$566,961 | \$555,266 | \$576,503 | \$920,248 | \$941,416 | \$958,524 | \$959,924 | \$974,736 |
| 2) Civilian Indexed Earnings | 483,185 | 435,296 | 345,569 | 266,642 | 658,019 | 657,670 | 657,432 | 599,338 | 435,107 |
| 3) Military Indexed Earnings | 95,418 | 131,665 | 209,697 | 309,861 | 262,229 | 283,746 | 301,092 | 360,586 | 539,629 |
| 4) Military Indexed Earnings
as a Percent of Total
Indexed Earnings | 16% | 23% | 38% | 54% | 78% | 30% | 31% | 38% | 55% |
| 5) Primary Insurance Amount
(PIA) Based on Total
Indexed Earnings | 574.24 | 565.37 | 556.46 | 572.64 | 698.02 | 705.58 | 711.69 | 712.19 | 717.48 |
| 6) PIA Attributable to
Military Earnings* | 94.70 | 131.30 | 210.15 | 307.79 | 198.90 | 212.66 | 223.56 | 267.53 | 397.21 |
| 7) 50% Offset** | 47.35 | 65.65 | 105.07 | 153.89 | 99.45 | 106.33 | 111.78 | 133.76 | 198.60 |
| 8) Annual Offset | 548.20 | 787.80 | 1,260.84 | 1,846.68 | 1,193.40 | 1,275.96 | 1,341.36 | 1,605.12 | 2,383.20 |
| 9) Expected Lifetime
Remaining After
Age 66 | 13.5 | 13.5 | 13.5 | 13.5 | 15.3 | 15.3 | 15.3 | 15.3 | 15.3 |
| 10) Total Lifetime
Offset | 7,670.70 | 10,635.30 | 17,021.34 | 24,930.18 | 18,259.02 | 19,522.19 | 20,522.81 | 24,558.34 | 36,411.86 |

*6) = 4; times 5) **7) = 6) times 50%

1/ Military earnings are basic pay plus the \$1,260 wage credit in each year.

Table M-6
Scenario IIIb
Corrected Attribution of Social Security Insurance Amount (PIA) to Service Earnings 1/
(FY82 Constant Dollars)

| Case | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-------------|
| Entry Age | 18 | 18 | 18 | 18 | 22 | 22 | 22 | 22 | 22 |
| Years of Military Service | 20 | 22 | 26 | 30 | 20 | 20 | 20 | 22 | 28 |
| Years of Civilian Service | 28 | 26 | 24 | 18 | 24 | 24 | 24 | 22 | 16 |
| Highest Military Grade | E6 | E7 | E8 | E9 | G3 | O4 | O5 | O5 | O6 |
| 1) Total Indexed Earnings | \$609,713 | \$606,635 | \$627,942 | \$692,521 | \$977,169 | \$986,964 | \$989,890 | \$994,114 | \$1,014,092 |
| 2) Civilian Indexed Earnings | 483,185 | 435,296 | 345,569 | 266,642 | 658,019 | 657,670 | 657,432 | 599,338 | 435,107 |
| 3) Military Indexed Earnings | 126,528 | 171,339 | 282,373 | 425,879 | 319,150 | 331,294 | 332,458 | 394,776 | 578,985 |
| 4) Military Indexed Earnings as a Percent of Total Indexed Earnings | 21% | 28% | 45% | 61% | 33% | 33% | 34% | 40% | 57% |
| 5) Primary Insurance Amount (PIA) Based on Total Indexed Earnings | 567.11 | 586.02 | 593.63 | 616.69 | 718.35 | 722.56 | 723.28 | 724.40 | 731.54 |
| 6) PIA Attributable to Military Earnings* | 121.84 | 165.52 | 266.94 | 379.25 | 234.62 | 242.05 | 242.91 | 287.38 | 417.66 |
| 7) 50% Offset | 60.92 | 82.76 | 133.47 | 189.62 | 117.31 | 121.03 | 121.46 | 143.69 | 208.83 |
| 8) Implied Offset* | 27.14 | 34.22 | 56.79 | 71.46 | 35.72 | 25.39 | 19.35 | 19.65 | 20.45 |
| 9) Differences in Offsets | 33.78 | 48.54 | 76.68 | 118.16 | 81.59 | 91.64 | 102.11 | 113.64 | 188.38 |
| 10) Implied Offset as a Percent of 50% offset | 45% | 41% | 43% | 38% | 30% | 24% | 16% | 14% | 10% |
| 11) Implied Offset as a Percent of Military PIA | 22% | 21% | 21% | 19% | 15% | 12% | 8% | 7% | 5% |

*Implied Offset is equal to the PIA based on BMC and civilian earnings less the military PIA based on basic pay plus \$1,200 wage credits and civilian earnings.
1/ Service earnings are Basic Military Compensation (BMC) which is equal to basic pay, BAS, EAC, and the tax advantage, and excludes the \$1,200 wage credit.

Table M-7
Scenario IVa
Income Replacement Ratios Based Only on Service Earnings History
(FY82 Constant Dollars)

| Case | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Entry Age | 18 | 18 | 18 | 18 | 22 | 22 | 22 | 22 | 22 |
| Years of Military Service | 20 | 22 | 26 | 30 | 20 | 20 | 20 | 22 | 28 |
| Years of Civilian Service | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Highest Military Grade | E6 | E7 | E8 | E9 | O3 | O4 | O5 | O5 | O6 |
| 1) Basic Military Compensation
in Last Year of Military
Service | 20,979 | 23,655 | 27,623 | 33,369 | 34,618 | 40,214 | 45,939 | 46,949 | 58,575 |
| 2) Military Base Pay in
Last Year of Military
Service | 14,201 | 16,214 | 19,555 | 24,211 | 25,815 | 29,831 | 33,481 | 34,491 | 43,750 |
| 3) Retired Pay* | 7,101 | 8,918 | 12,724 | 18,138 | 12,908 | 14,926 | 16,742 | 18,970 | 30,625 |
| 4) Annual Social Security
Benefit Based on Earnings
History Using \$1200 Wage
Credit | 3,757 | 4,090 | 4,799 | 5,710 | 4,825 | 5,217 | 5,858 | 6,389 | 7,499 |
| 5) Retired Income Due to
Military Service | 10,653 | 13,008 | 17,503 | 23,868 | 17,783 | 20,413 | 22,597 | 25,359 | 38,124 |
| 6) Total Military Retired
Benefit as a Percent
of Final BMC | 52% | 55% | 63% | 71% | 51% | 50% | 49% | 54% | 65% |

* Years of service times basic pay in last year of service times .025
 **Retired pay in last year of service plus the annual social security benefit attributable to Uniformed Service
 (Scenario I, line 1 times 1.1).

Table M-8
Scenario IVb
Income Replacement Ratios Based Only on Service and Civilian Earnings History
(FY82 Constant Dollars)

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Case | 18 | 18 | 18 | 18 | 22 | 22 | 22 | 22 | 22 |
| Entry Age | 20 | 22 | 26 | 30 | 20 | 20 | 20 | 22 | 28 |
| Years of Military Service | 28 | 26 | 22 | 18 | 24 | 24 | 24 | 22 | 16 |
| Years of Civilian Service | E6 | E7 | E8 | E9 | O3 | O4 | O5 | O5 | O6 |
| Highest Military Grade | | | | | | | | | |
| 1) Basic Military Compensation (BMC) in Last Year of Military Service | \$ 20,978 | \$ 23,655 | \$ 27,623 | \$ 33,369 | \$ 34,618 | \$ 40,214 | \$ 45,939 | \$ 46,949 | \$ 58,575 |
| 2) Military Base Pay in Last Year of Military Service | 14,201 | 16,214 | 19,545 | 24,211 | 25,815 | 29,851 | 33,481 | 34,491 | 43,750 |
| 3) Retired Pay* | 7,101 | 8,918 | 12,704 | 18,158 | 12,968 | 14,926 | 16,741 | 18,970 | 30,625 |
| 4) Annual Social Security Benefit** | 6,891 | 6,784 | 6,678 | 6,872 | 8,376 | 8,467 | 8,467 | 8,546 | 8,610 |
| 5) Retired Income Due to Military Service*** | 8,237 | 10,494 | 15,226 | 21,851 | 15,295 | 17,476 | 17,478 | 22,180 | 35,392 |
| 6) Total Retired Benefit | 13,992 | 15,702 | 19,392 | 25,030 | 21,284 | 23,393 | 23,393 | 27,516 | 39,235 |
| 7) Military Retired Benefit as a Percent of Final BMC | 39% | 44% | 55% | 65% | 44% | 43% | 42% | 47% | 60% |
| 8) Total Benefit as a Percent of Final BMC | 67% | 66% | 70% | 75% | 61% | 58% | 55% | 59% | 67% |

* Years of service times line 2) times .025

** Scenario IIIa line 5 times 12, based on service and civilian earnings history.

***Line 3 above plus Scenario IIIa line 6 times 12



DEPARTMENT OF DEFENSE
OFFICE OF GENERAL COUNSEL
WASHINGTON, D.C. 20301

December 12, 1983

MEMORANDUM FOR Staff Director, Fifth Quadrennial Review
of Military Compensation, OASD(M,RA&L)

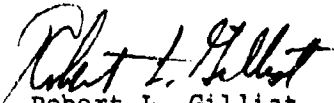
SUBJECT: Integration of Social Security Benefits with
Military Retired Pay

This provides answers to the questions presented in your memorandum of October 19th which discussed the above-referenced subject. The answers set forth below are numbered to correspond with the numbering of your questions.

1. The social security benefit "implied offset" described in your memorandum that is a consequence of the failure of Congress to update the \$1,200 wage credit authorized in 1968 in recognition of the compensatory nature of military allowances for quarters and subsistence as an element of the full value of total military compensation for social security benefit purposes provides an actual and justifiable-in-fact basis for limiting overall retired pay costs when social security benefits are integrated with military retired pay. This actual basis for accomplishing the ultimate desired objective of limiting retired pay costs can be translated into "a legally recognizable method of integration" if it is adopted by Congress and implemented in the form of legislation. Attributing a dollar amount to the tax-free military allowances for social security benefit entitlement purposes is a concept that has already been accepted by Congress. Thus there is no reason Congress could not also recognize the existing "implied offset" as a basis for appropriate legislation to accomplish the desired result of limiting integrated social security-military retired pay benefits if Congress wishes to adopt this possible alternative.

2. The rationale that supports the foregoing answer to the first question is also applicable here. The "implied offset" exists in fact. Thus, if Congress wishes to recognize this fact and use it as a basis for reducing in corresponding amount the amount of the proposed 50% of social security benefit offset against the military retired pay annuity, Congress may do so and give binding legal effect to this choice by incorporating the concept in implementing legislation.

3. Setting the overall retirement benefit level by recognition of the reduced amount of social security benefits that inure to military retirees by reason of the effect of the "implied offset" is supportable as a matter of fact and hence may appropriately be embodied in legislation to become a governing principle of law. In this sense the concept of using the "implied offset" is potentially a "legally justifiable" form of integration.


Robert L. Gilliat
Assistant General Counsel
(Manpower & Health Affairs)

APPENDIX N

EVALUATION OF OCCUPATIONAL FORCE STRUCTURES



MAJ ROY E. SMOKER, USAF

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EVALUATION OF OCCUPATIONAL FORCE STRUCTURES

I. INTRODUCTION. This appendix describes the Service occupational groupings evaluated by the Fifth QRM. The officer and enlisted Department of Defense occupation codes by QRM-defined occupational category are listed in Sections II and III, respectively. The definition of the specific occupational categories, grouped according to the QRM category codes and figures displaying the following four topics for each occupational group are presented for each Service. These slots are labeled:

- 1) Military Pays versus Civilian Wages
- 2) Annualized Cost of Leaving
- 3) Force Structure
- 4) Survival Rates

A. MILITARY PAY VERSUS CIVILIAN WAGES. Because there is a distribution of earnings potential for members of a given age, who may choose to leave the Service at some point during their career, both the mean earnings profile of Census veterans working full time and the 75th percentile earnings profiles are shown for each occupational group in the graphs of Military Pays versus Civilian Wages. (For a discussion and description of the data sets used, see Volume I, Appendix I.) The alternative civilian wage stream is for college graduates in officer-related jobs identified in the Census. For the enlisted occupations, the alternative civilian wage streams represent the distribution of education as discussed in Volume I, Appendix I. As noted in Appendix I, caution should be used in making comparisons between these occupational civilian alternative wage streams and the Service occupational earnings streams. First, officer-related occupations include training, leadership and management responsibilities not found in the civilian sector for individuals of a comparable age. In addition, the Servicemembers forego certain civil rights and subjects their families to overseas tours and extended periods of separation uncommon in the civilian sector. Second, the civilian wage streams for professional occupations may exhibit a downward bias due to measuring only wage and salary earnings from the Census data. Generally, lawyers, doctors and dentists in the civilian sector form partnerships or are self-employed and, therefore, do not report wage and salary earnings. (Only individuals reporting wage and salary earnings were used in developing these equations.) Third, chaplains (clergy) in the private sector often receive payment in-kind and housing rather than actual earnings. These equations was adjusted upward, by 25% of the earnings base, to partially account for the lower reported earnings. Fourth, the Census sample for veterinarian jobs was relatively small. Finally, there are some officer jobs in the Service that do not exist in the civilian sector. The aggregate wage equation for white male, college graduate, civilian veterans in officer-related jobs was applied to the Combat Arms and Naval Operations occupational group for this reason.

For the enlisted related occupations, similar caution should be used in making earnings comparisons. Here, Service training may provide the basis for obtaining a civilian job. The availability of educational benefits sponsored by the Veterans Administration may provide the opportunity to obtain a college degree, after some initial period of service, and hence improve one's earnings potential. Again, some enlisted jobs do not exist in the civilian sector. For this reason, the aggregate wage equation for white male, civilian veterans in enlisted-related jobs, regardless of education, was applied to the Infantry, Gunner, and Seaman occupational group. The use of the civilian wage equation for veterans in teaching and educational-type jobs as the alternative wage stream for non-occupational students is based on the judgement that students will be in lower paying jobs until they enter a specific occupation. The civilian wage equation for veterans in teaching and educational-type jobs is somewhat below the aggregate wage equation for white male, civilian veterans in enlisted-related jobs.

No attempt was made to weight the separate occupational wage equations, using the mix of servicemembers by age in each occupational group. Use of the Service weights by occupational group could yield a somewhat higher average aggregate wage stream for both officers and enlisted, if the mix of Service personnel was distributed more heavily toward higher paying jobs than is the mix of veterans observed in the Census.

B. ANNUALIZED COST OF LEAVING (ACOL). The ACOL values for three scenarios are shown in the Annualized Cost of Leaving graph for each occupational group. The scenarios are:

1. HI-3 averaging as basis for computing the retirement benefit.
2. HI-3 averaging with a 3% pre-30 YOS decrement to the current retirement system benefit and a 75% cost of living adjustment (COLA) to age 62; 100% COLA begins at age 62.
3. Same as 2 above, but with an EARLY WITHDRAWAL of deferred retirement benefits at the 20th YOS. The EARLY WITHDRAWAL benefit is 200% of basic pay at 20 YOS for officers and 300% of basic pay at 20 YOS for enlisted members.

Note how the ACOL value increases to the 20th YOS, i.e., the point of retirement eligibility, and then drops once eligibility has been attained. Also, note that the EARLY WITHDRAWAL of deferred retirement benefits raises the ACOL value at the 20th YOS and serves as an inducement for servicemembers to remain at least through the 20th YOS.

C. FORCE STRUCTURE COMPARISONS. The occupational force structures associated with each of the three retirement benefit scenarios are shown in the Force Structure graphs. For each of the occupational groups, the

accession level is lower and the career strength is higher when the EARLY WITHDRAWAL is considered in comparison to the force profile observed for the case of HI-3 averaging. The case showing 75% COLA to age 62, combined with a 3% pre-30 YOS decrement to the current retirement benefit with HI-3 averaging, reveals the opposite effect on accessions and career force strengths. For all the occupational groups, the EARLY WITHDRAWAL characteristic, when properly applied achieves a force structure equal to or more career-intensive than that which will be obtained with the current retirement system; it transitions to having the retirement benefit computed on the basis of HI-3 averaging.

D. SURVIVAL RATES. The graphs of Survival Rates for each occupational group shows the survival rates under each of the retirement scenarios discussed above. For each occupational group, the relative level of the survival rate curves is the same. The curve labeled 75% COLA corresponds to the decremented retirement benefit plan of Scenario B.2 above and always exhibits the lowest set of survival rates. The curve labeled HIGH THREE corresponds to Scenario B.1 and always falls in the middle. The curve labeled EARLY WITHDRAW corresponds to Scenario B.3 and always exhibits the highest level of survival rates.

II. OFFICER OCCUPATIONAL GROUPS BY SERVICE.

A. ARMY OFFICER OCCUPATIONAL GROUP DEFINITIONS.

1. Occupation: Legal (Officer)
QRM Category 4 DOD Occupation Code: 5F

This occupational category includes the legal subcategory. The current objective endstrength for this category is 1799 which is 2% of total current objective officer endstrength.

2. Occupation: Chaplain (Officer)
QRM Category 5 DOD Occupation Code: 5G

This occupational category includes the Chaplain subcategory. The current objective endstrength for this category is 1450 which is 2% of total current objective officer endstrength.

3. Occupation: Physician (Officer)
QRM Category 6 DOD Occupation Codes 6A0 1-2,4,6,-9,12-13, 15-17,19-23,25,28,30-34,36

This occupational category includes the following subcategories: aerospace medicine, allergy, anesthesiology, cardiology, dermatology, gastroenterology, general medicine, internal medicine, neurology, obstetrics and gynecology, occupational medicine, ophthalmology, otolaryngology, pathology, pediatrics, physical medicine, preventive medicine, psychiatry, pulmonary disease, radiology, special weapons defense, general surgery, neurological surgery, orthopedic surgery, plastic surgery, thoracic surgery and urology. The current objective endstrength for this category is 4982 which is 6% of total current objective officer endstrength.

4. Occupation: Dentist (Officer)
QRM Category 7 DOD Occupation Code: 6C

This occupational category includes the dentist subcategory. The current objective endstrength for this category is 1812 which is 2% of total current objective officer endstrength.

5. Occupation: Nurse (Officer)
QRM Category 8 DOD Occupation Codes: 6E, F

This occupational category includes the general nurse and nursing specialist subcategories. The current objective endstrength for this category is 3892 which is 4% of total current objective officer endstrength.

6. Occupation: Veterinarian (Officer)
QRM Category 9 DOD Occupation Code: 6G

This occupational category includes the veterinarian subcategory. The current objective endstrength for this category is 395 which is .5% of total current objective officer endstrength.

7. Occupation: Medical Service (Officer)
QRMC Category 10 DOD Occupation Codes: 2C,G; 4A; 5A,C,E,H;
6H;7C,D,E,M;8B

This occupational category includes the health services personnel in the following subcategories: aeromedical evacuation; plans, operations, intelligence and training; construction and utilities; biochemistry; biological science; psychology; social work; manpower and personnel; computer; information systems; medical administration; supply and other medical service responsibilities. The current objective endstrength for this category is 4961 which is 6% of total current objective officer endstrength.

8. Occupation: Bio-Medical Service (Officer)
QRMC Category 11 DOD Occupation Codes: 5E,6H

This occupational category includes the psychological evaluation and other medical officer subcategories. The current objective endstrength for this category is 464 which is .5% of total current objective officer endstrength.

9. Occupation: Pilot (Officer)
QRMC Category 12 DOD Occupational Codes: 2B,C

This occupational category includes the helicopter pilot subcategory, some of whom are also pilots in the other fixed wing subcategory. The current objective endstrength for this category is 6625 which is 7% of total current objective officer endstrength.

10. Occupation: Combat Arms (Officer)
QRMC Category 14/15 DOD Occupation Code: 2E,F,G

This occupational category includes the following subcategories: ground arms, missiles and operations staff. The current objective endstrength for this category is 31289 which is 35% of total current objective officer endstrength.

11. Occupation: Support (Officer)
QRMC Category 19/20/25 DOD Occupation Codes: 4C,E-f,K,M-N,
8A-G

This occupational category includes the following subcategories: communications and radar, ordnance, missile maintenance, chemical, surveying and mapping, logistics, supply, transportation, procurement and production, food service, exchange and commissary and other engineering, maintenance, supply and procurement functions not otherwise assigned to a previously listed subcategory. The current objective endstrength for this category is 14424 which is 16% of total current objective officer endstrength.

12. Occupation: Other (Officer)

QRMC Category 16/17/18/21/22/23/24 DOD Occupation Codes:
3A-C, 4A-B, D, 5A, D, J, L, 7A, C-E, G-H, N

This occupational category includes the following subcategories: general intelligence, communications intelligence, counterintelligence, construction and utilities, electrical/electronic, aviation maintenance, physical science, social science, mathematics and statistics, research and development, general administration, manpower and personnel, comptroller and fiscal, data processing, information, police, morale and welfare. The current objective endstrength for this category is 16781 which is 19% of total current objective officer endstrength.

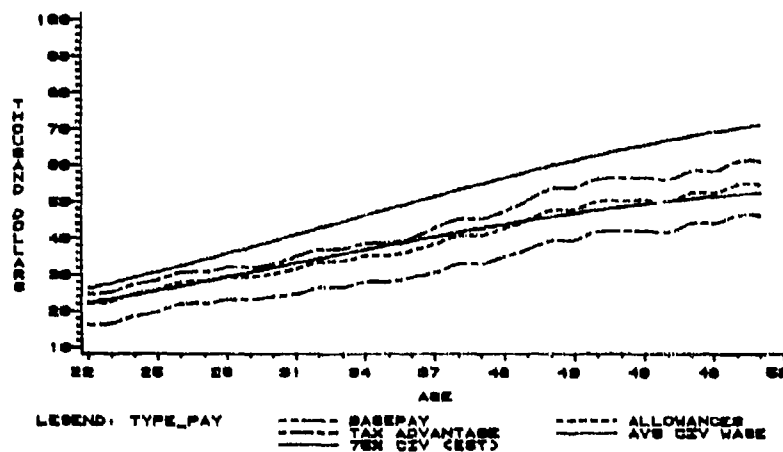
List of Figures (Army Officers)

- N-II.A. 1. Army Legal
- N-II.A. 2. Army Chaplain
- N-II.A. 3. Army Physician
- N-II.A. 4. Army Dentist
- N-II.A. 5. Army Nurse
- N-II.A. 6. Army Veterinarian
- N-II.A. 7. Army Medical Service
- N-II.A. 8. Army Bio-Medical Service
- N-II.A. 9. Army Pilot
- N-II.A. 10. Army Combat Arms
- N-II.A. 11. Army Support
- N-II.A. 12. Army Total Officer

Figure N-11.A.1
Army Legal

MILITARY PAYS VS CIVILIAN WAGES

ARMY OFFICER
OCCUPATION: LEGAL



ANNUALIZED COST OF LEAVING

ARMY OFFICER
OCCUPATION: LEGAL

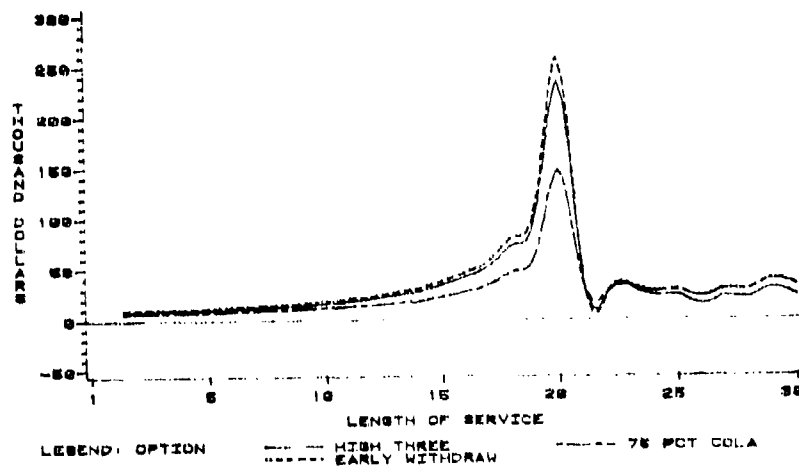
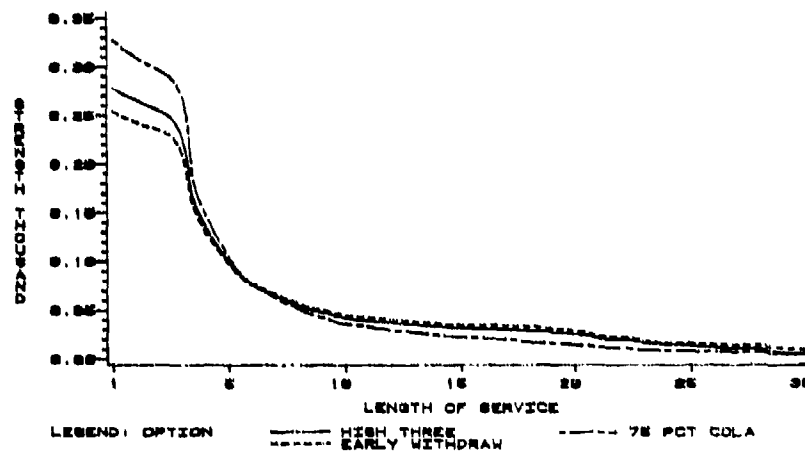


Figure N-II.A.1 (Cont)

FORCE STRUCTURE

ARMY OFFICER
OCCUPATION: LEGAL



SURVIVAL RATES

ARMY OFFICER
OCCUPATION: LEGAL

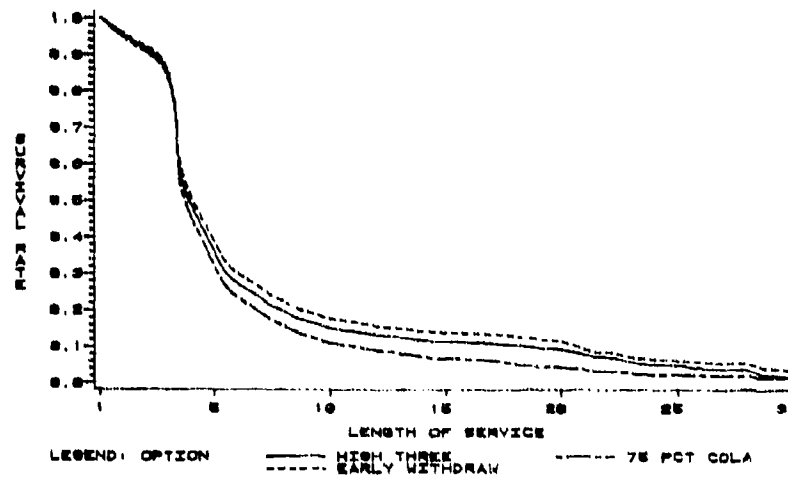
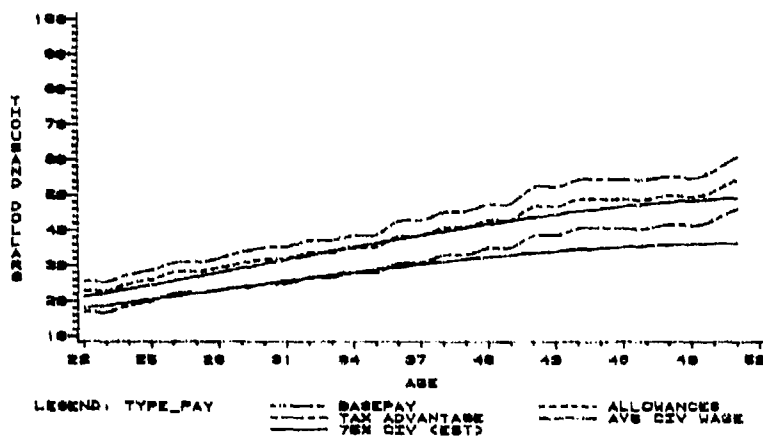


Figure N-II.A.2
Army Chaplain

MILITARY PAYS VS CIVILIAN WAGES

ARMY OFFICER
OCCUPATION: CHAPLAIN



ANNUALIZED COST OF LEAVING

ARMY OFFICER
OCCUPATION: CHAPLAIN

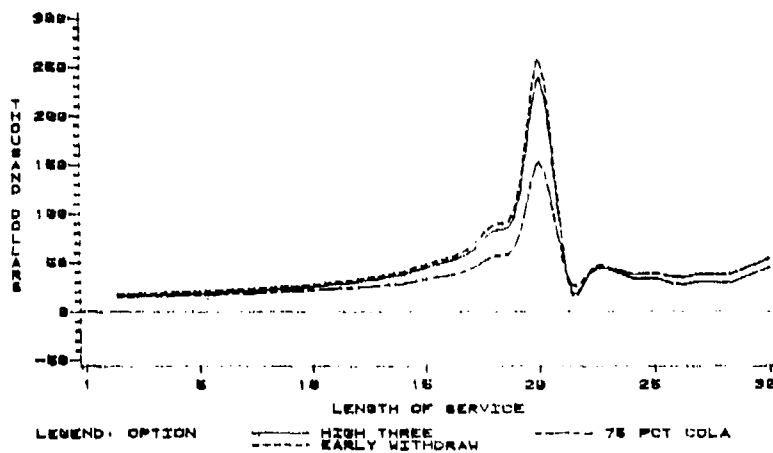
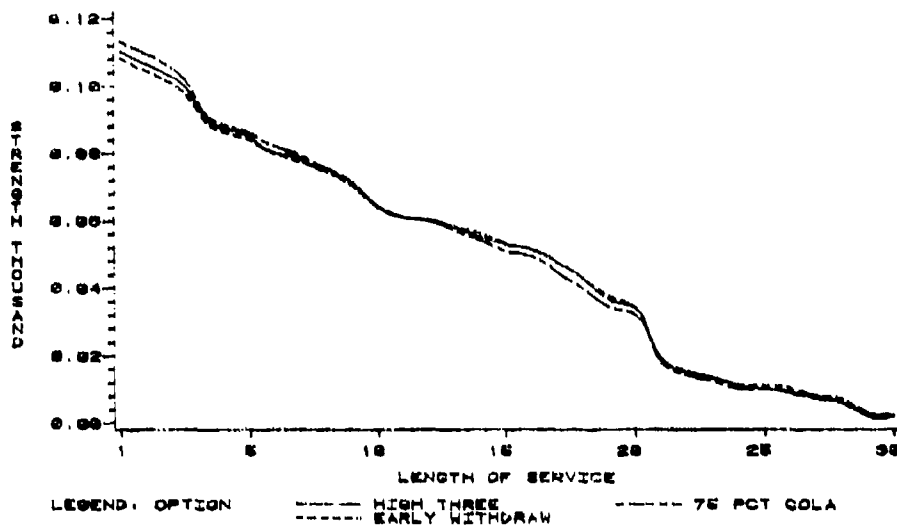


Figure N-II.A.2 (Cont)

FORCE STRUCTURE

ARMY OFFICER
OCCUPATION: CHAPLAIN



SURVIVAL RATES

ARMY OFFICER
OCCUPATION: CHAPLAIN

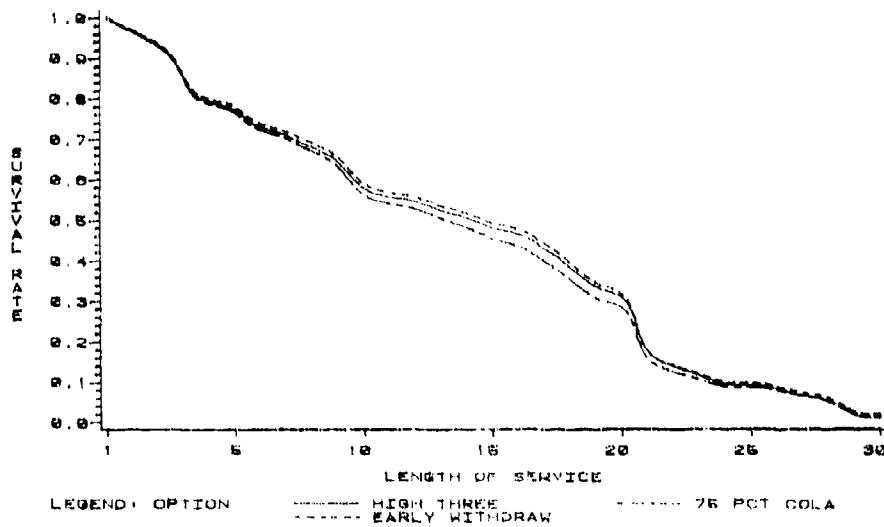
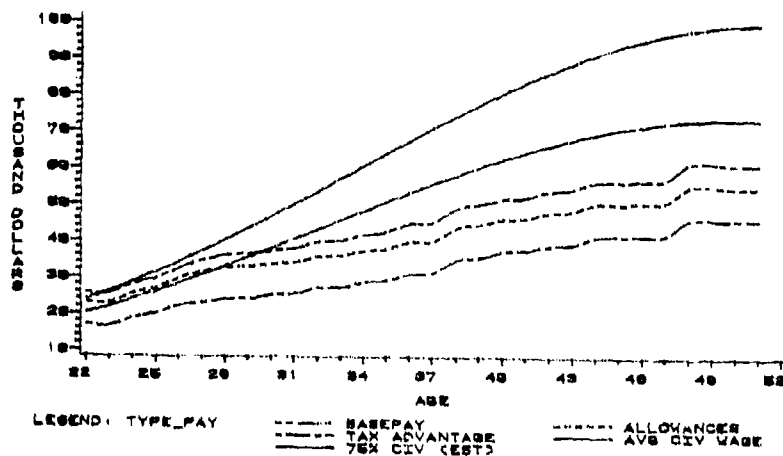


Figure N-11.A.3
Army Physician

MILITARY PAYS VS CIVILIAN WAGES

ARMY OFFICER
OCCUPATION: DOCTORS



ANNUALIZED COST OF LEAVING

ARMY OFFICER
OCCUPATION: DOCTORS

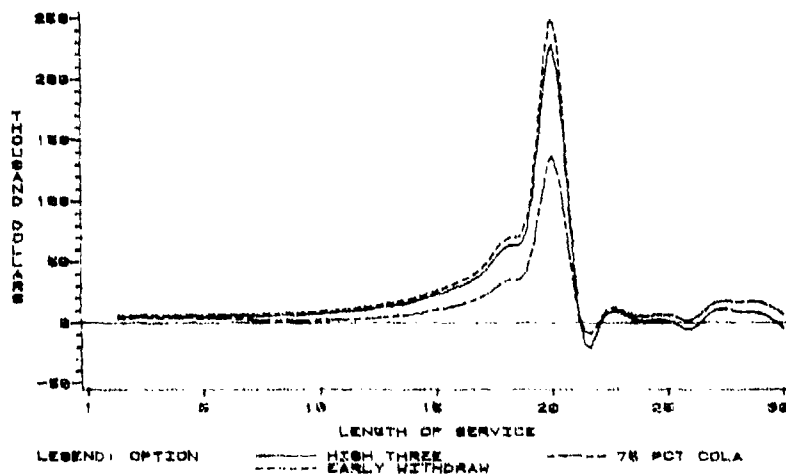
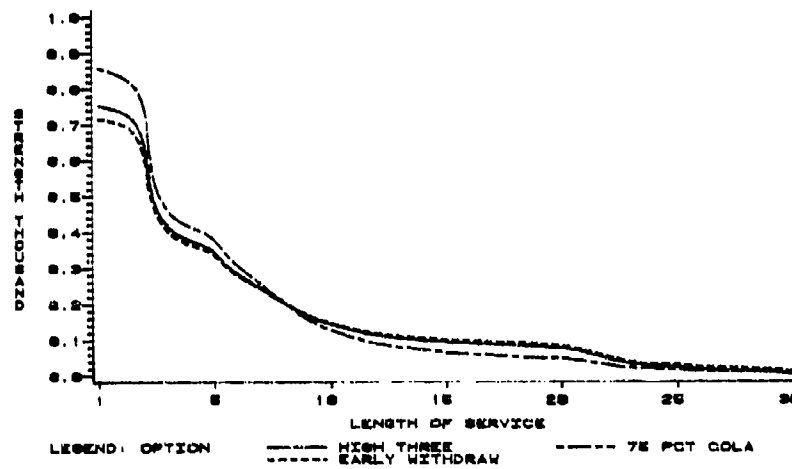


Figure N-II.A.3 (Cont)

FORCE STRUCTURE

ARMY OFFICER
OCCUPATION: DOCTORS



SURVIVAL RATES

ARMY OFFICER
OCCUPATION: DOCTORS

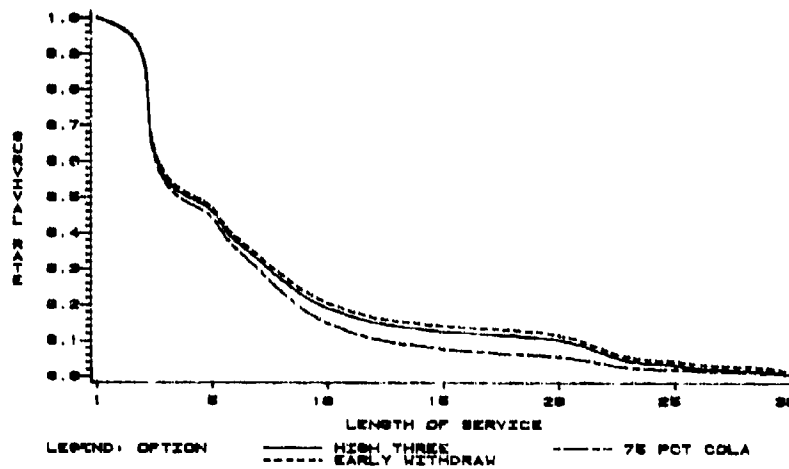
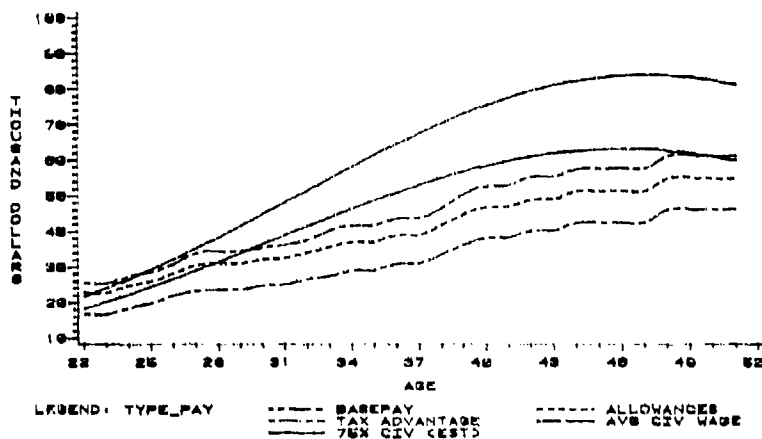


Figure N-11.A.4
Army Dentist

MILITARY PAYS VS CIVILIAN WAGES

ARMY OFFICER
OCCUPATION: DENTISTS



ANNUALIZED COST OF LEAVING

ARMY OFFICER
OCCUPATION: DENTISTS

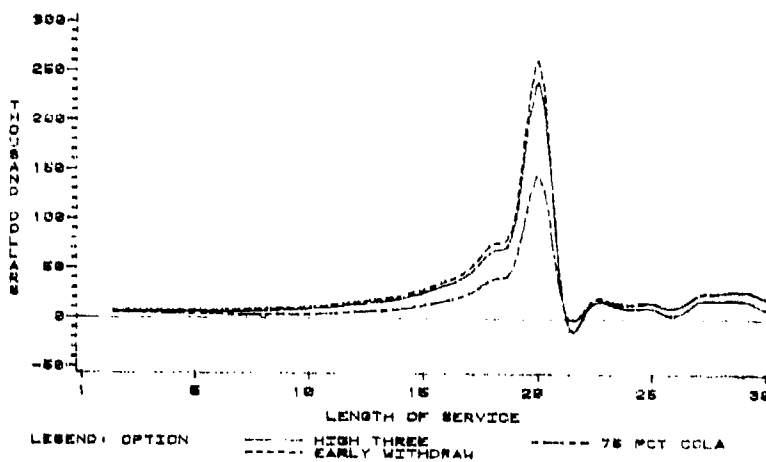
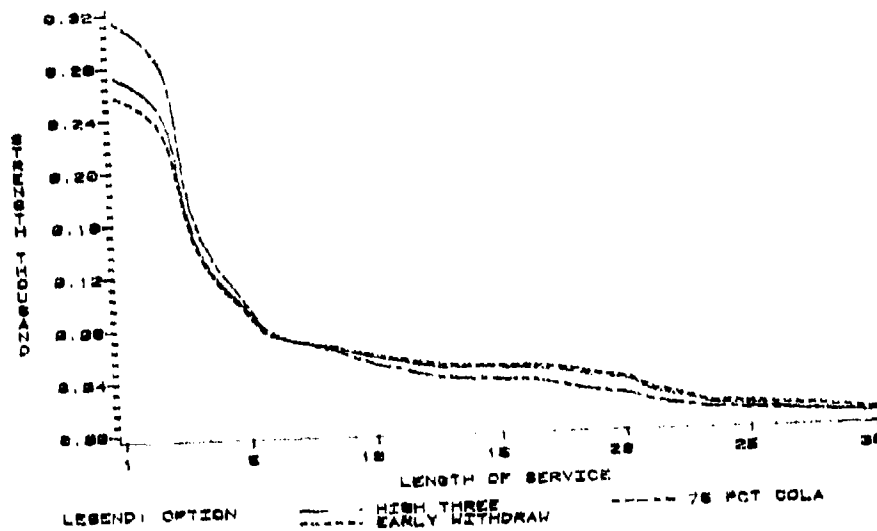


Figure N-II.A.4 (Cont)

FORCE STRUCTURE

ARMY OFFICER
OCCUPATION: DENTISTS



SURVIVAL RATES

ARMY OFFICER
OCCUPATION: DENTISTS

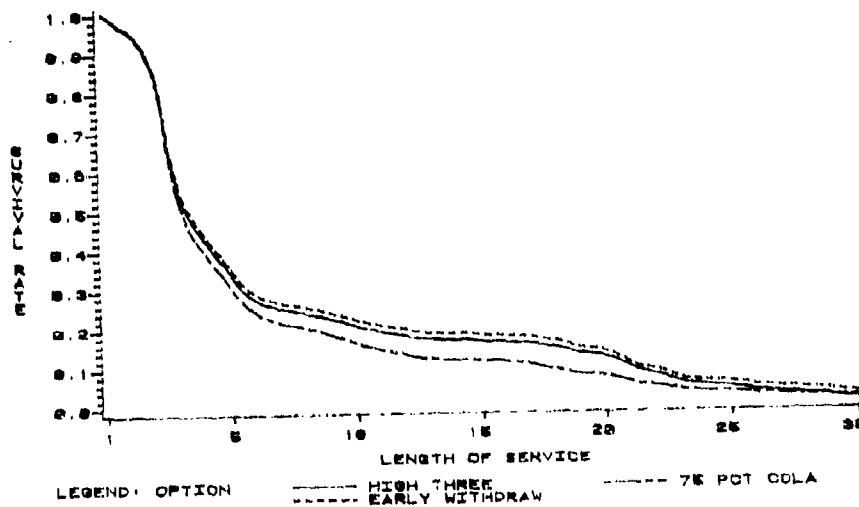
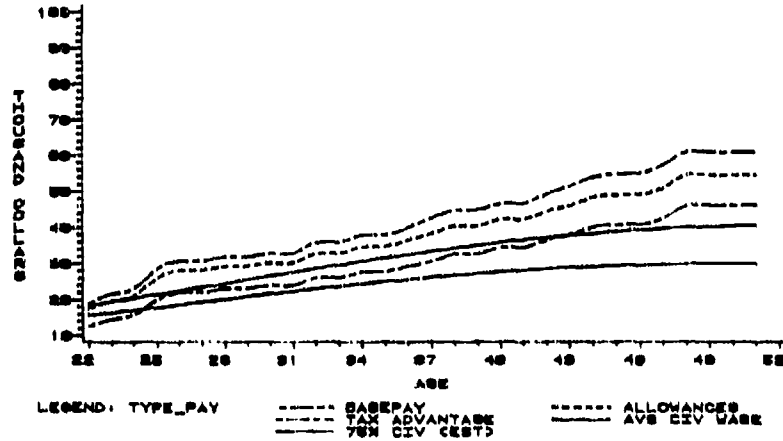


Figure N-II.A.5
Army Nurse

MILITARY PAYS VS CIVILIAN WAGES ARMY OFFICER OCCUPATION: NURSES



ANNUALIZED COST OF LEAVING

ARMY OFFICER
OCCUPATION: NURSES

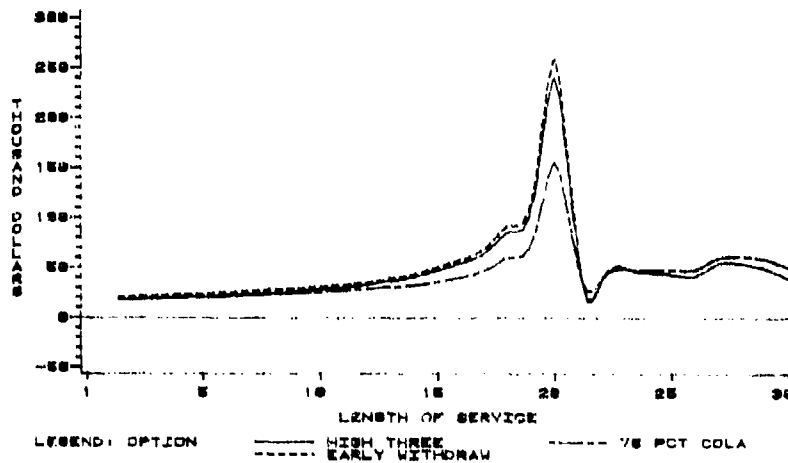
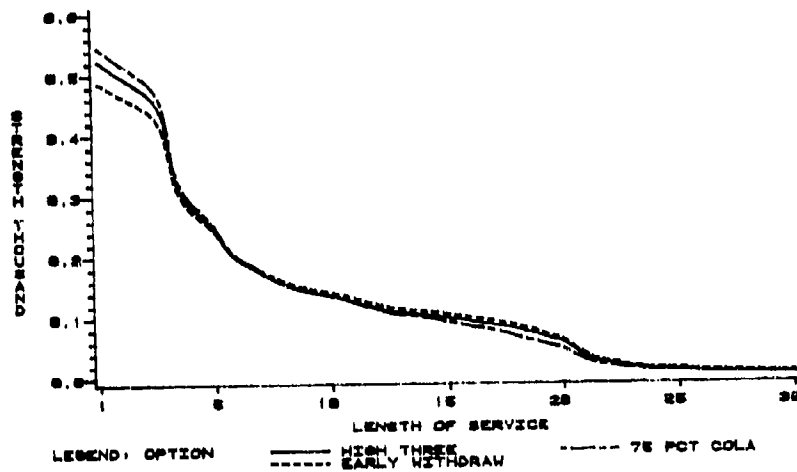


Figure N-II.A.5 (Cont)

FORCE STRUCTURE

ARMY OFFICER
OCCUPATION: NURSES



SURVIVAL RATES

ARMY OFFICER
OCCUPATION: NURSES

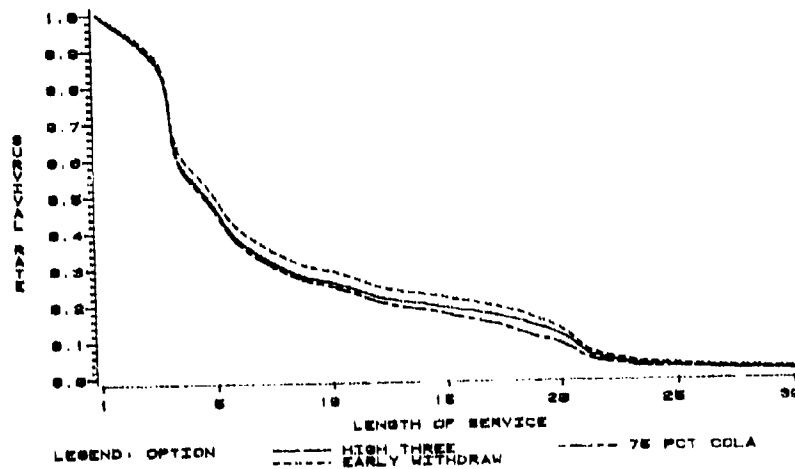
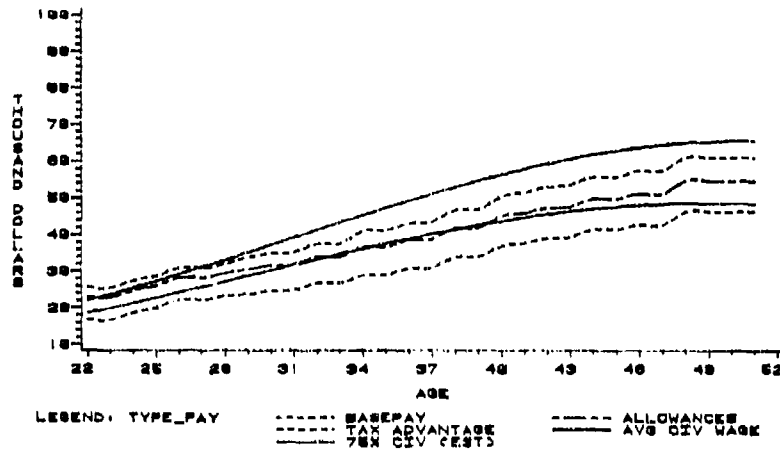


Figure N-II.A.6
Army Veterinarian

MILITARY PAYS VS CIVILIAN WAGES

ARMY OFFICER
OCCUPATION: VETS



ANNUALIZED COST OF LEAVING

ARMY OFFICER
OCCUPATION: VETS

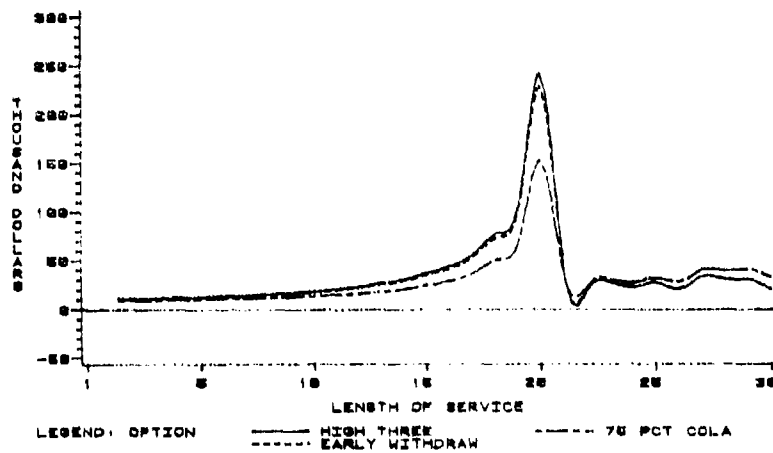
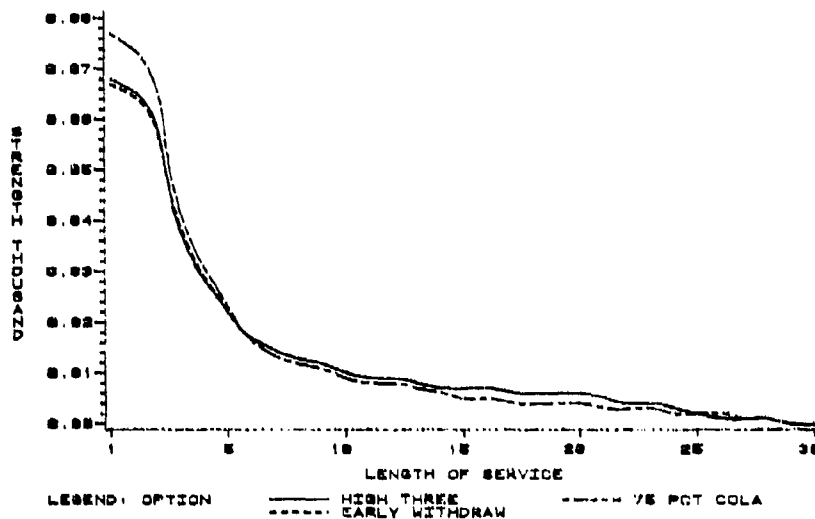


Figure N-II.A.6 (Cont)

FORCE STRUCTURE

ARMY OFFICER
OCCUPATION: VETS



SURVIVAL RATES

ARMY OFFICER
OCCUPATION: VETS

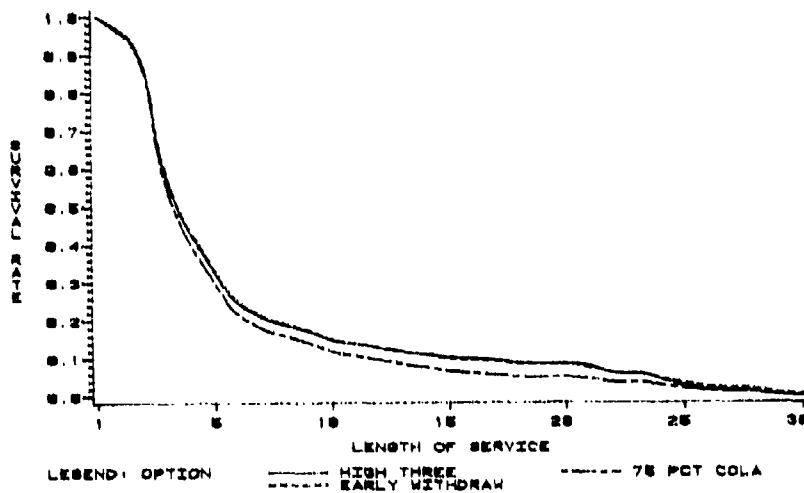
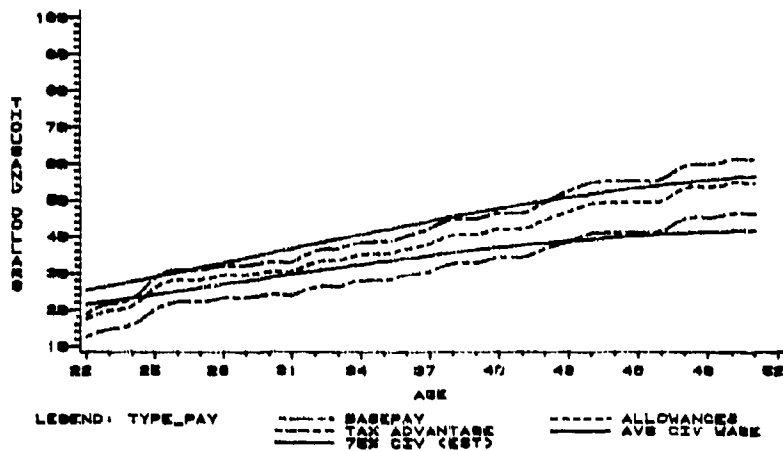


Figure N-II.A.7
Army Medical Service

MILITARY PAYS VS CIVILIAN WAGES

ARMY OFFICER
OCCUPATION: MED-SRVC



ANNUALIZED COST OF LEAVING

ARMY OFFICER
OCCUPATION: MED-SRVC

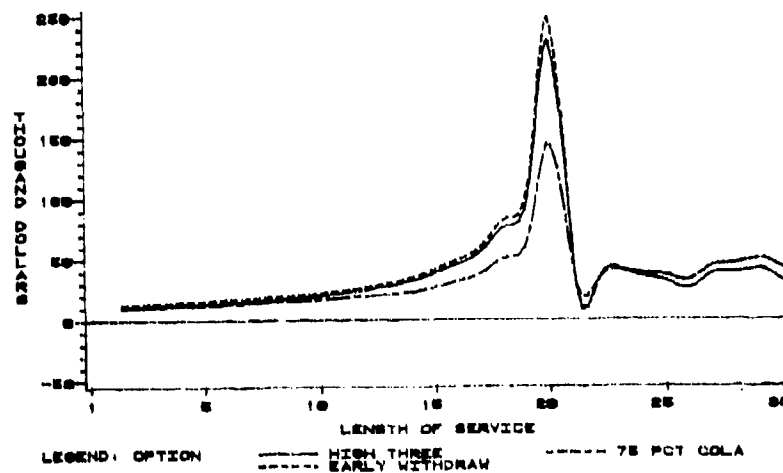
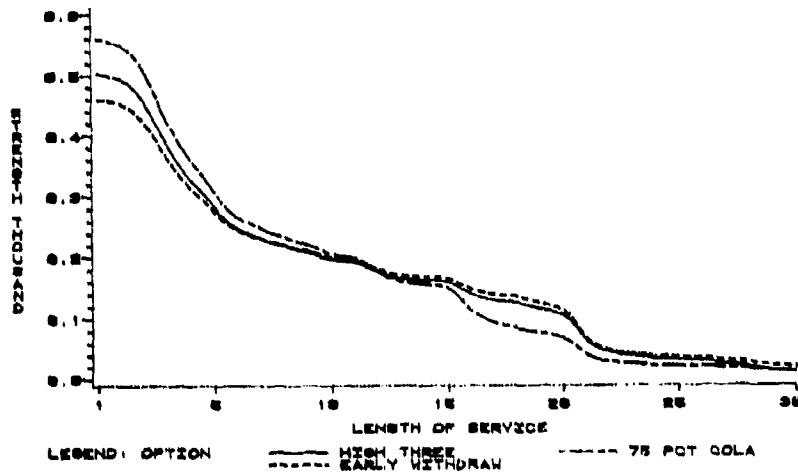


Figure N-II.A.7 (Cont)

FORCE STRUCTURE

ARMY OFFICER
OCCUPATION: MED-SRVC



SURVIVAL RATES

ARMY OFFICER
OCCUPATION: MED-SRVC

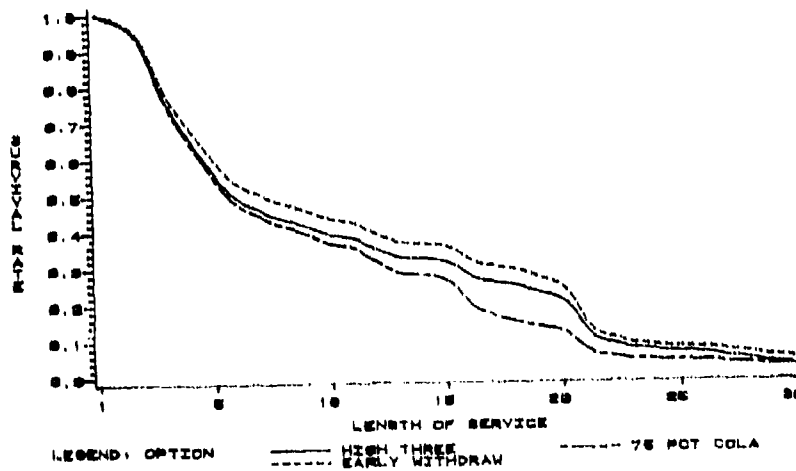
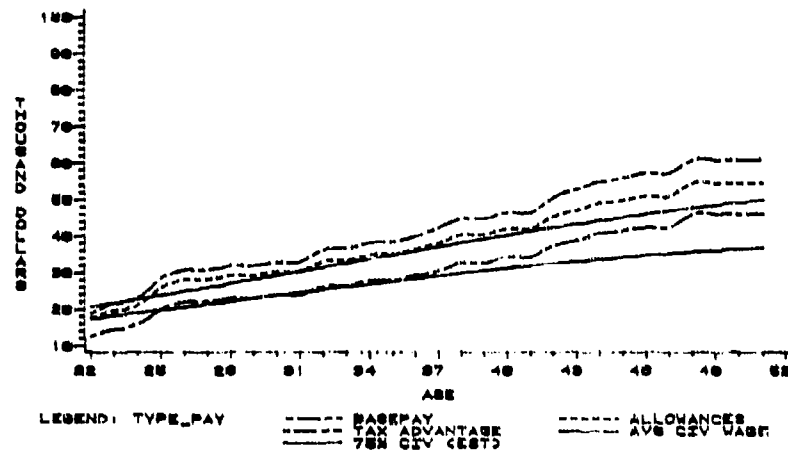


Figure N-II.A.8
Army Bio-Medical Service

MILITARY PAYS VS CIVILIAN WAGES

ARMY OFFICER
OCCUPATION: BIOMED



ANNUALIZED COST OF LEAVING

ARMY OFFICER
OCCUPATION: BIOMED

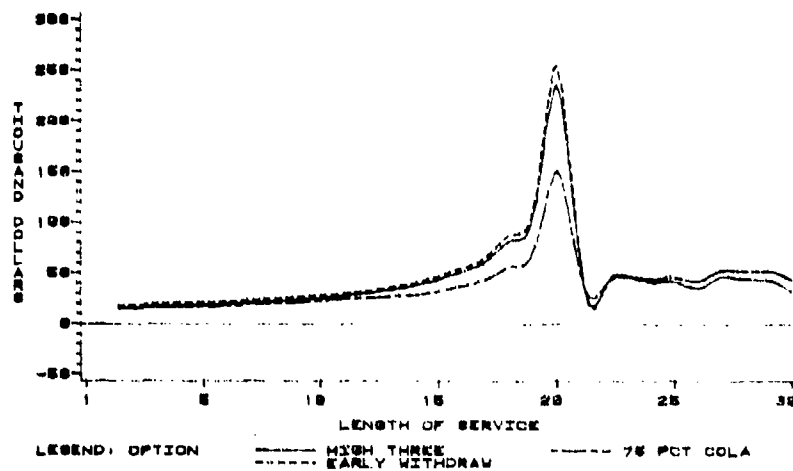
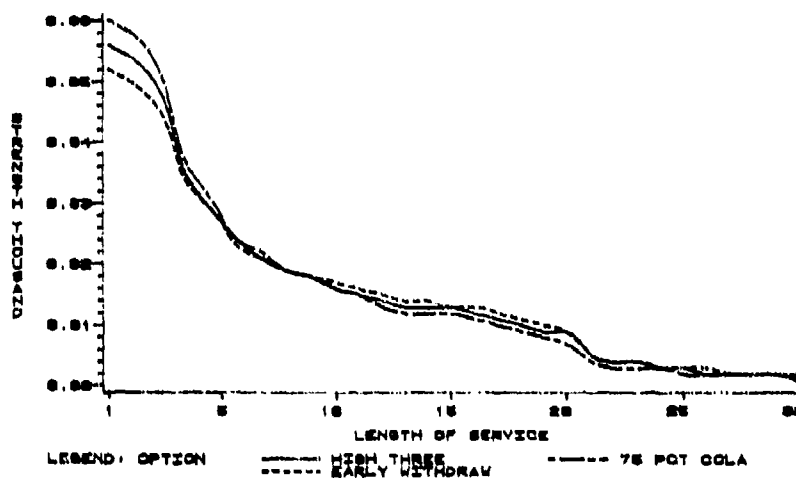


Figure N-II.A.8 (Cont)

FORCE STRUCTURE

ARMY OFFICER
OCCUPATION: BIOMED



SURVIVAL RATES

ARMY OFFICER
OCCUPATION: BIOMED

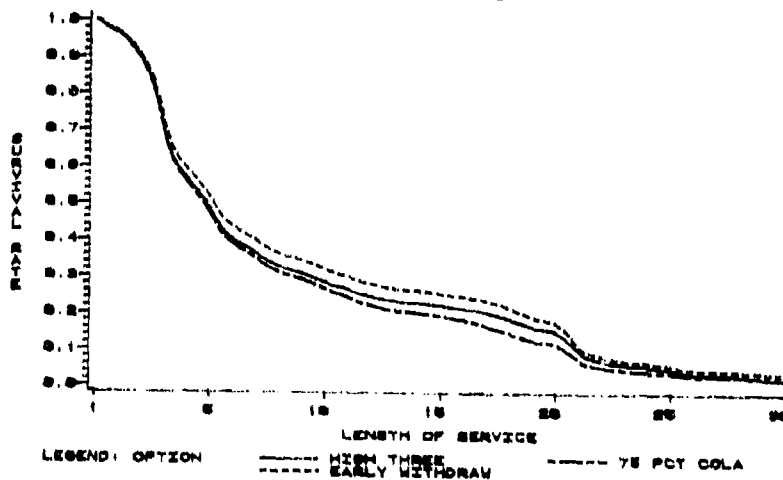
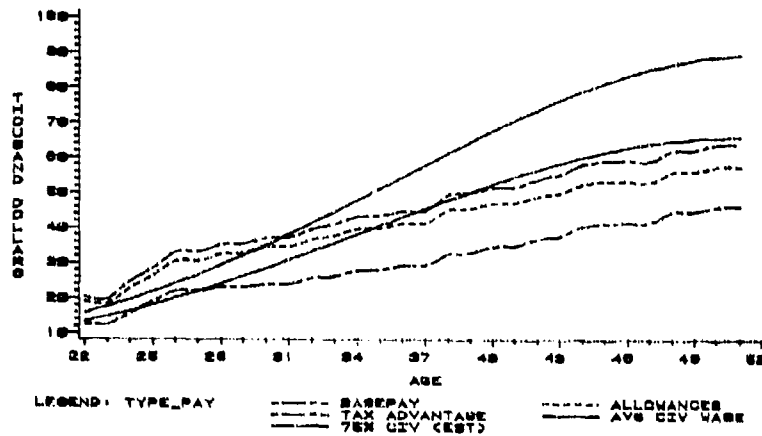


Figure N-II.A.9
Army Pilot

MILITARY PAYS VS CIVILIAN WAGES

ARMY OFFICER
OCCUPATION: PILOTS



ANNUALIZED COST OF LEAVING

ARMY OFFICER
OCCUPATION: PILOTS

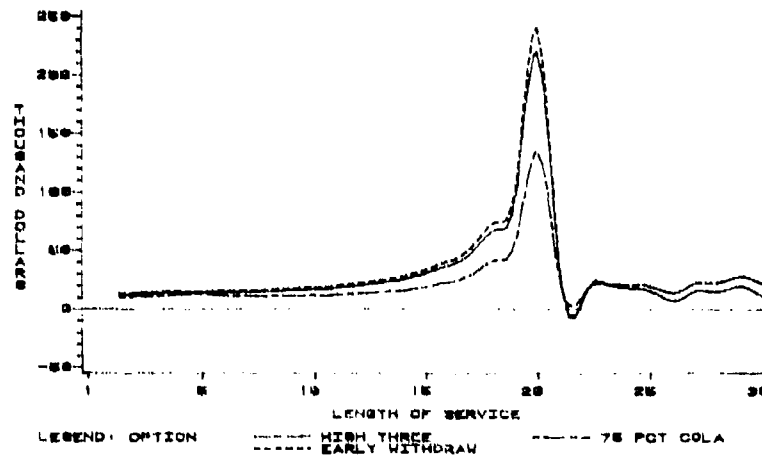
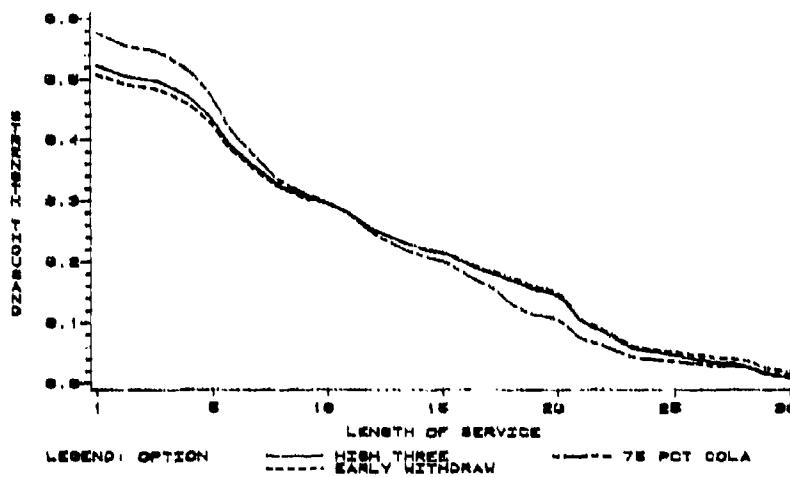


Figure N-II.A.9 (Cont)

FORCE STRUCTURE

ARMY OFFICER
OCCUPATION: PILOTS



SURVIVAL RATES

ARMY OFFICER
OCCUPATION: PILOTS

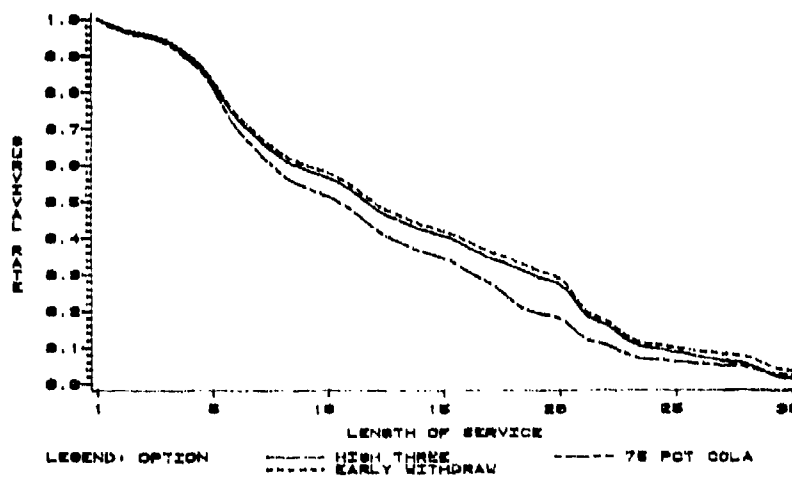
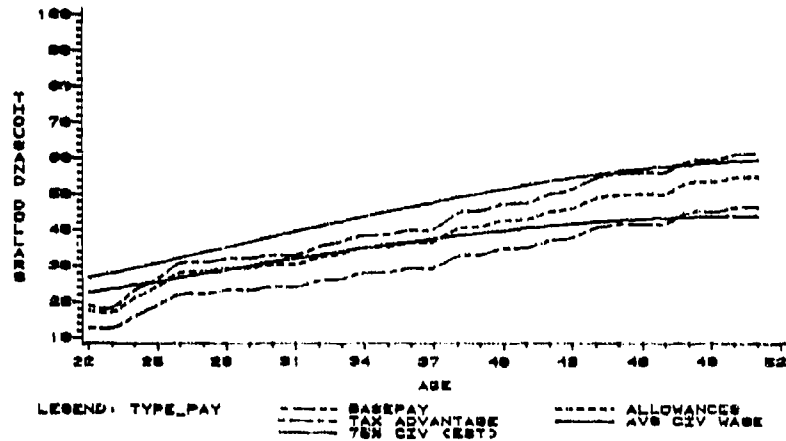


Figure N-11.A.10
Army Combat Arms

MILITARY PAYS VS CIVILIAN WAGES

ARMY OFFICER
OCCUPATION: COMBAT



ANNUALIZED COST OF LEAVING

ARMY OFFICER
OCCUPATION: COMBAT

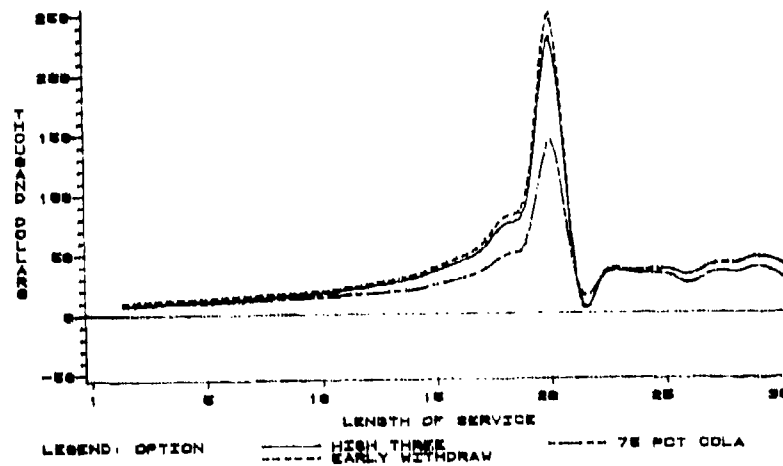
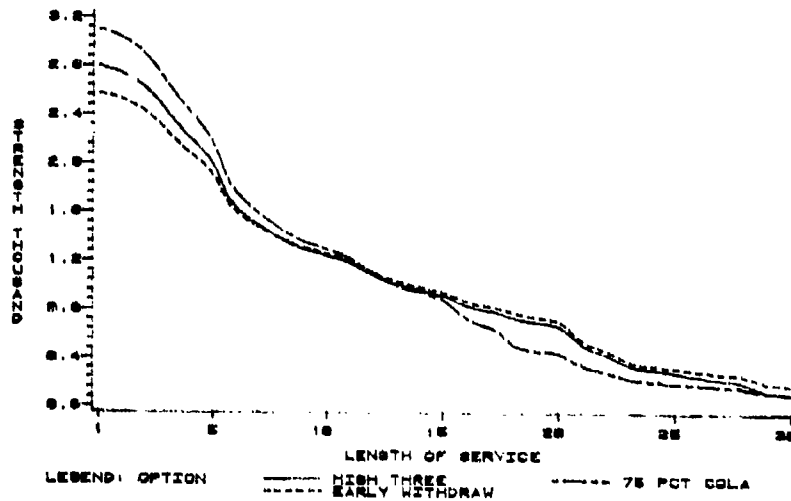


Figure N-II.A.10 (Cont)

FORCE STRUCTURE

ARMY OFFICER
OCCUPATION: COMBAT



SURVIVAL RATES

ARMY OFFICER
OCCUPATION: COMBAT

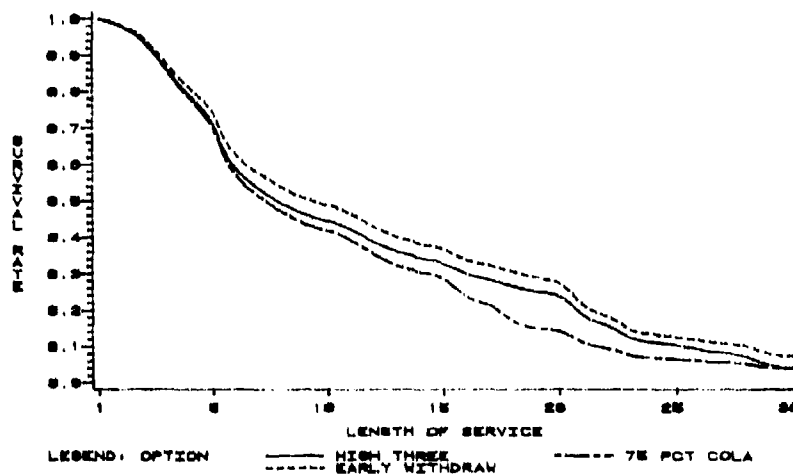
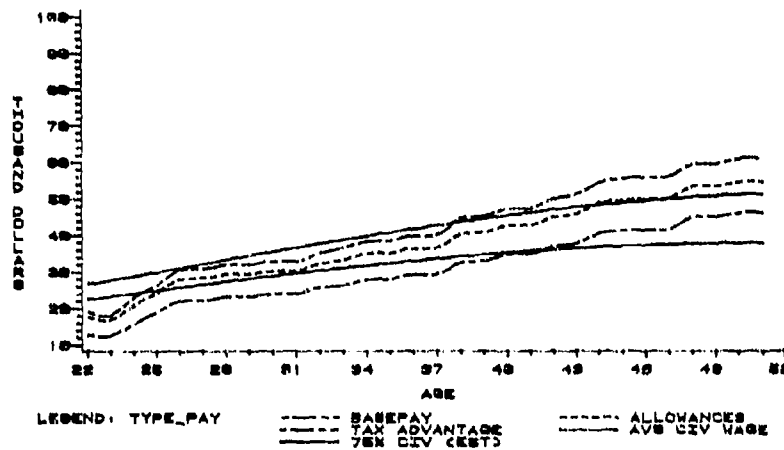


Figure N-II.A.11
Army Support

MILITARY PAYS VS CIVILIAN WAGES

ARMY OFFICER
OCCUPATION: SUPPORT



ANNUALIZED COST OF LEAVING

ARMY OFFICER
OCCUPATION: SUPPORT

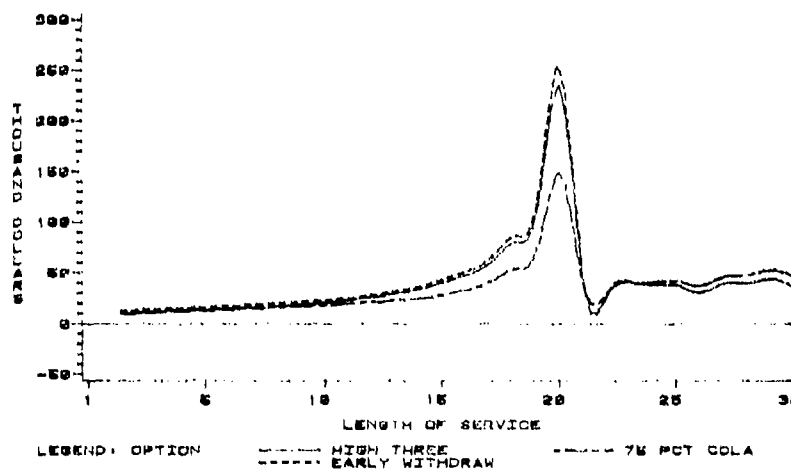
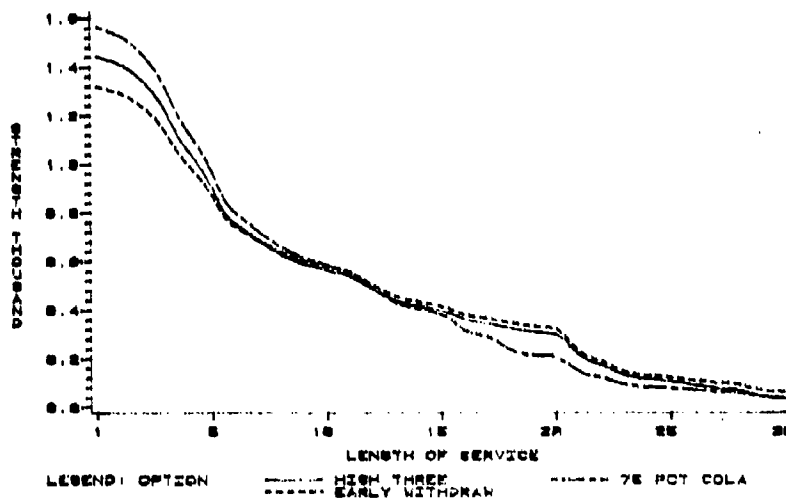


Figure N-II.A.11 (Cont)

FORCE STRUCTURE

ARMY OFFICER
OCCUPATION: SUPPORT



SURVIVAL RATES

ARMY OFFICER
OCCUPATION: SUPPORT

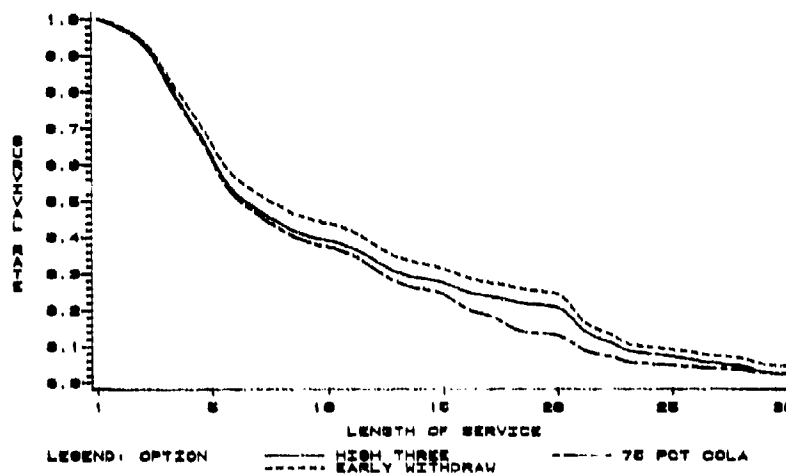
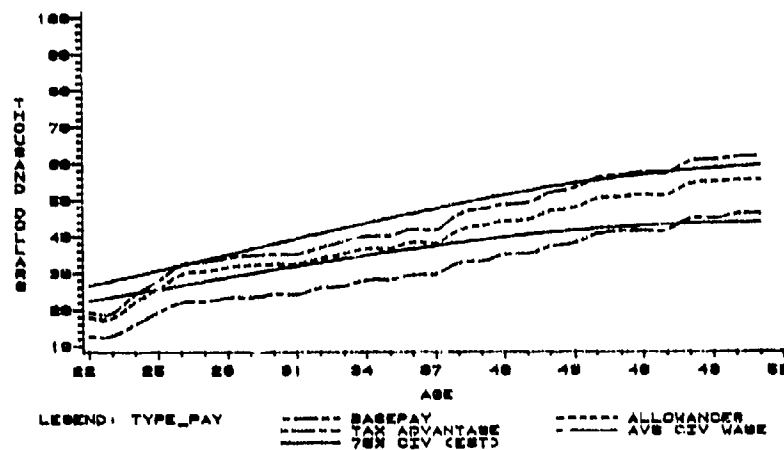


Figure N-II.A.12
Army Total Officer

MILITARY PAYS VS CIVILIAN WAGES

ARMY OFFICER
OCCUPATION: TOTAL



ANNUALIZED COST OF LEAVING

ARMY OFFICER
OCCUPATION: TOTAL

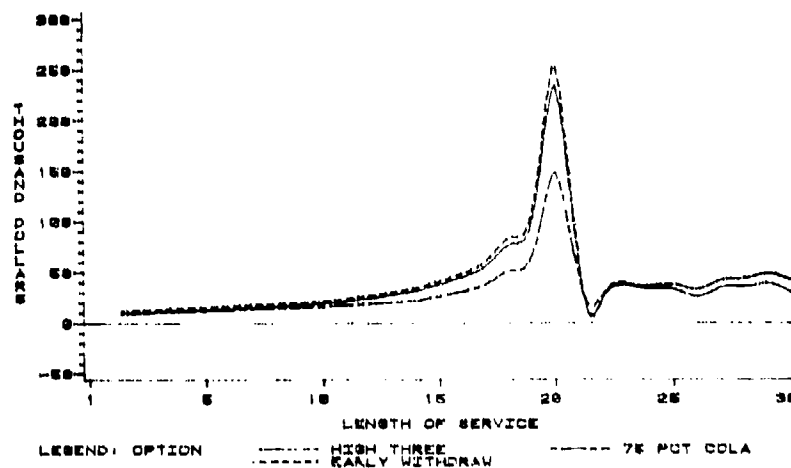
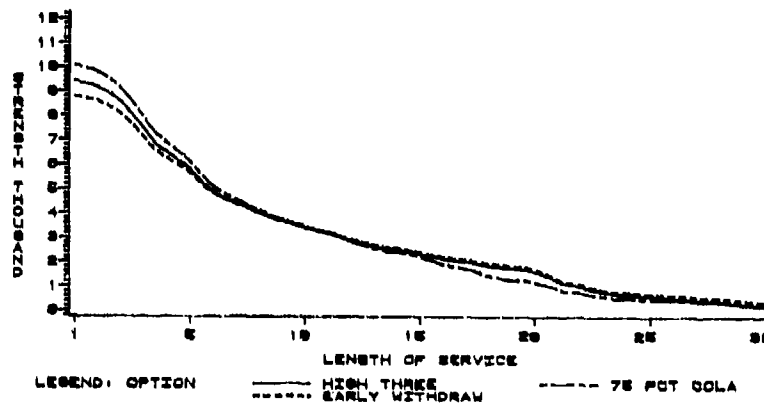


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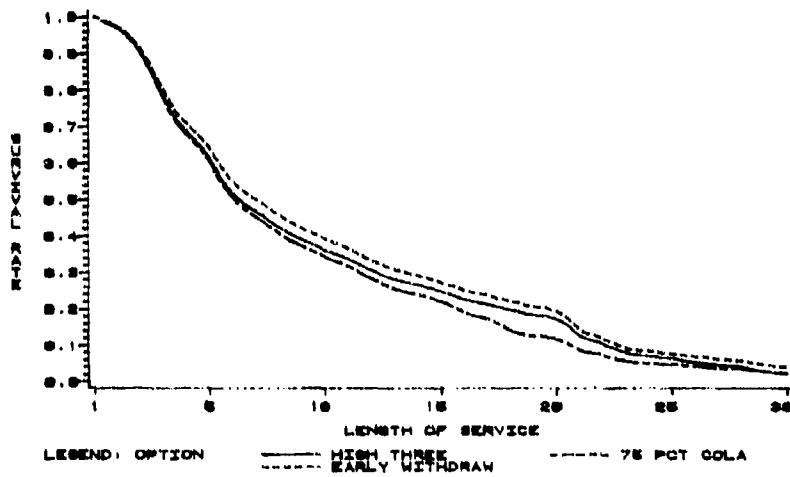
FORCE STRUCTURE

ARMY OFFICER
OCCUPATION: TOTAL



SURVIVAL RATES

ARMY OFFICER
OCCUPATION: TOTAL



B. NAVY OFFICER OCCUPATIONAL GROUP DEFINITIONS.

1. Occupation: Legal (Officer)
QRM Category 4 DoD Occupation Code: 5F

This occupation includes lawyers and legal officers. The current objective endstrength for this category is 988, which is 1.6% of total objective officer endstrength.

2. Occupation: Chaplain (Officer)
QRM Category 5 DoD Occupation Code: 5G

This occupation includes ordained and other certified clergymen. The current objective endstrength for this category is 1,038, which is 1.7% of total objective officer endstrength.

3. Occupation: Physician (Officer)
QRM Category 6 DoD Occupation Code: 6A01,04,07,09,10,12,
13,15,16,17,19,20,21,22,23,25,27,28,
29,30,31,32,33,34,36,46

This occupation includes all medical doctors by areas of specialty. Included are: Aerospace Medicine, Anesthesiology, Dermatology, General Medicine, Intern, Internal Medicine, Neurology, Obstetrics, Gynecology, Occupational Medicine, Ophthalmology, Otolaryngology, Pathology, Pediatrics, Physical Medicine, Preventive Medicine, Psychiatry, Radiology, Nuclear Medicine, Submarine Medicine, General Surgery, Neurological Surgery, Orthopedic Surgery, Plastic Surgery, Thoracic Surgery, Urology, and Physicians, N.E.C. The current objective endstrength for this category is 3,460, which is 5.6% of total objective officer endstrength.

4. Occupation: Dentist (Officer)
QRM Category 7 DoD Occupation Code 6C

This occupation includes all dental officers, oral surgeons, and dental specialists. The current objective endstrength for this category is 1,660, which is 2.7% of total objective officer endstrength.

5. Occupation: Nurse (Officer)
QRM Category 8 DoD Occupation Code: 6E,6F

This occupation includes professional nurses on general duty, command and staff duty and on specialized duties requiring substantial advanced training. The current objective endstrength for this category is 2,732, which is 4.4% of total objective officer endstrength.

6. Occupation: Medical Service Corps (Officer)
QRM Category 10 DoD Occupation Code: 7M*,8E*,4A*,5A*,
5C,5E*,5H*,6H*



The Medical Service Corps includes six major occupational areas as follows: Health Care Administration, Medical Allied Sciences, Medical Specialists, Optometry, Pharmacy and Podiatry. The current objective endstrength for this category is 2,064, which is 3.3% of total objective officer endstrength.

7. Occupation: Pilots (Officer)
QRMC Category 12 DoD Occupation Code: 2A,2B,2C

This occupational group includes pilots of various types of fighters, attack, bombers and other aircraft, such as transport, supply and reconnaissance. Pilots of helicopters are also included. The current objective endstrength for this category is 10,555, which is 17.0% of total objective officer endstrength.

8. Occupation: Navigators/NFO
QRMC Category 13 DoD Occupation Code: 2D,4C*

This occupational group includes navigators, bombers, radar intercept officers, and other operational aircraft crewmembers. The current objective endstrength for this category is 4,918, which is 7.9% of total objective officer endstrength.

9. Occupation: Surface and Sub-surface Warfare Officers
QRMC Category 14 & 15 DoD Occupation Code: 2E,2F,2G

This occupational group includes ship commanders and other warfare-related officers, guided and ballistic missile systems officers, unit commanders, combat, operations and intelligence staff officers. The current objective endstrength for this category is 18,161, which is 3.2% of total objective officer endstrength.

10. Occupation: Total, Administration and Logistics
QRMC Category 35 DoD Occupation Code: 7A,7B,7C,7D,7E,
7F,7L,7N,8X

This includes the following occupational groups: Administrators, General, Training Administrators, Manpower and Personnel, Comptrollers and Fiscal, Data Processing, Pictorial, Inspection, Morale and Welfare, General Logistics, Supply, Transportation, Procurement and Production, Food Service, Exchange and Commissary and Other.

11. Occupation: Total, Engineering and Maintenance
QRMC Category 29 DoD Occupation Code: 4A,4B,4D,4C,4E-N

This includes the following occupational groups: Construction and Utilities, Electrical/Electronic, Communications and Radar, Aviation Maintenance and Allied, Ordnance, Missile Maintenance, Ship Construction and Maintenance, Ship Machinery, Safety, Chemical, Automotive and Allied, Surveying and Mapping and Other.

12. Occupation: Total, Scientific

QRMC Category 30 DoD Occupation Code: 5A,B,D,J,L,M,N

This includes the following occupational groups: Physical Scientists, Meteorologists, Biological Scientists, Social Scientists, Mathematicians and Statisticians, Research and Development Coordinators, Community Activities Officers.

13. Occupation: Warrant Officers, Other

QRMC Category 51 DoD Occupation Code: N/A

Line and Staff Commissioned Warrant Officers are appointed for duty in the technical fields indicated by former enlisted ratings groups. The Officer Billet Designator Codes (OBDC) are used to identify the specialty qualifications required for the billets.

*indicates only a portion of group is included.

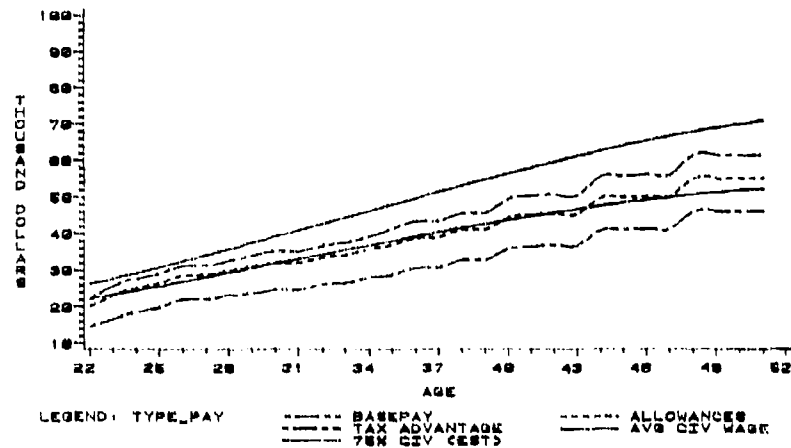
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| N-II.B. | 7. | Navy Pilots |
| N-II.B. | 8. | Navy Navigators/NFO |
| N-II.B. | 9. | Navy Surface and Sub-surface Warfare |
| N-II.B. | 10. | Navy Other (Officers-except Warrants) |
| N-II.B. | 11. | Navy Total Officer |

Figure N-II.B.1
Navy Legal

MILITARY PAYS VS CIVILIAN WAGES

NAVY OFFICER
OCCUPATION: LEGAL



ANNUALIZED COST OF LEAVING

NAVY OFFICER
OCCUPATION: LEGAL

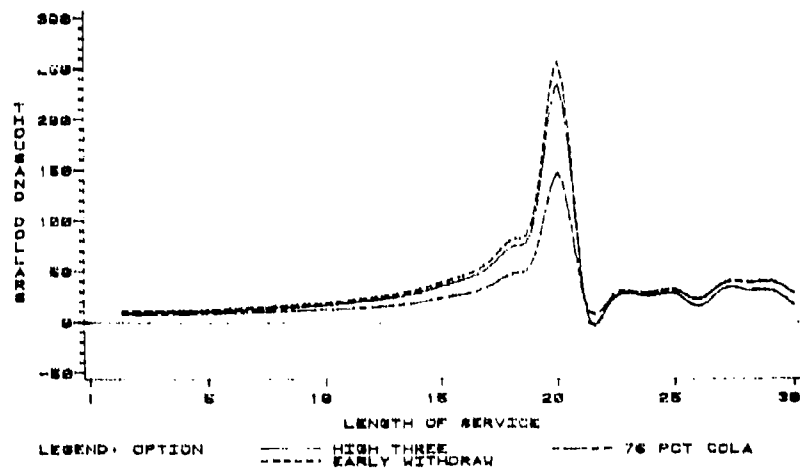
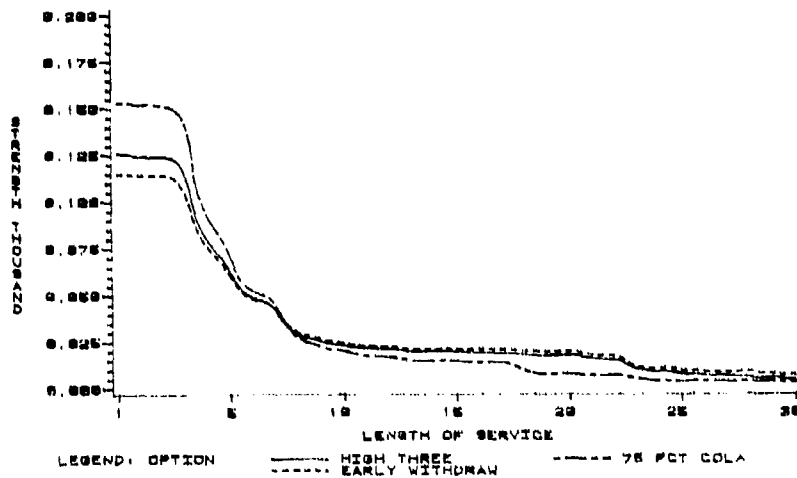


Figure N-11.B.1 (Cont)

FORCE STRUCTURE

NAVY OFFICER
OCCUPATION: LEGAL



SURVIVAL RATES

NAVY OFFICER
OCCUPATION: LEGAL

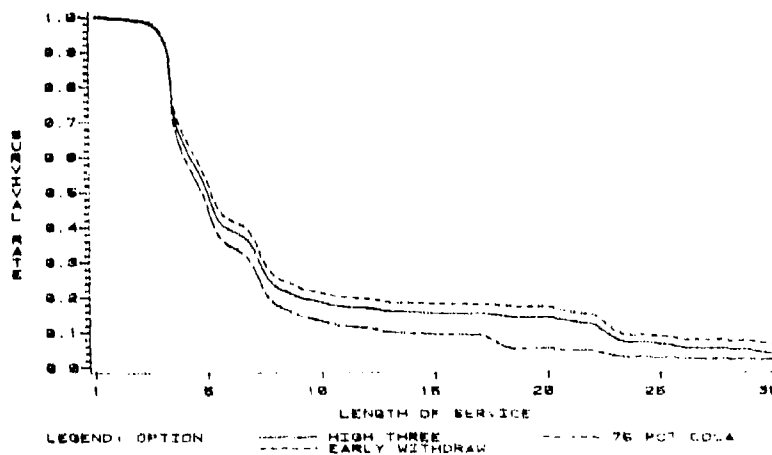
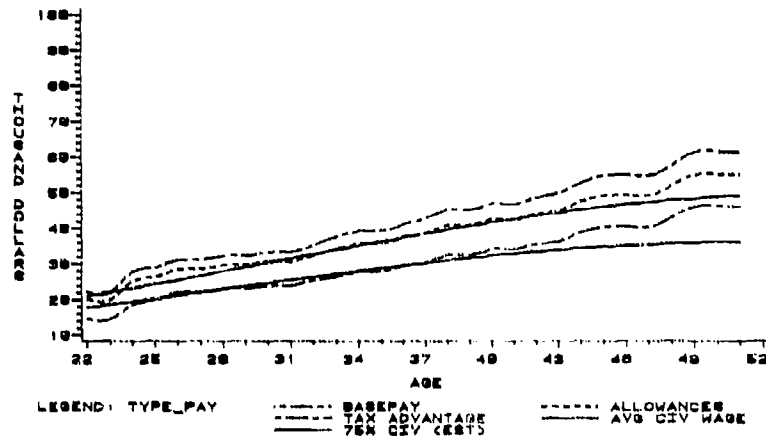


Figure N-II.B.2
Navy Chaplain

MILITARY PAYS VS CIVILIAN WAGES

NAVY OFFICER
OCCUPATION: CHAPLAIN



ANNUALIZED COST OF LEAVING

NAVY OFFICER
OCCUPATION: CHAPLAIN

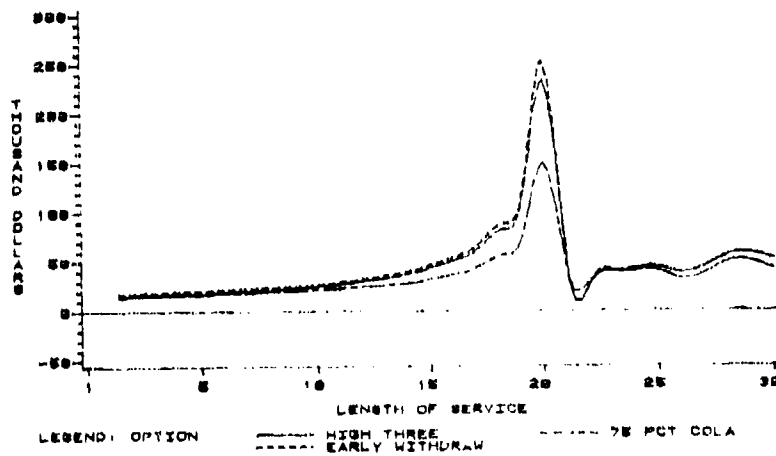
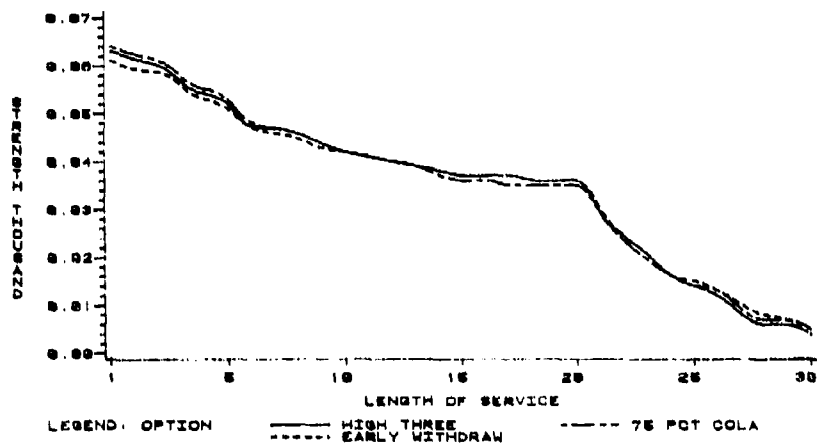


Figure N-II.B.2 (Cont)

FORCE STRUCTURE

NAVY OFFICER
OCCUPATION: CHAPLAIN



SURVIVAL RATES

NAVY OFFICER
OCCUPATION: CHAPLAIN

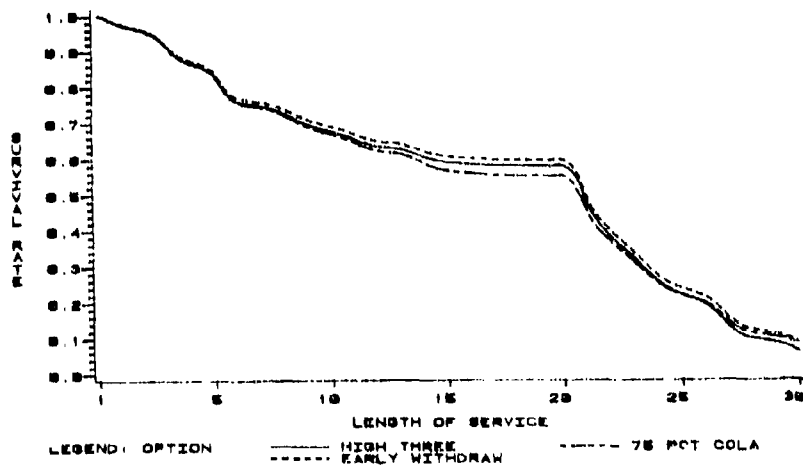
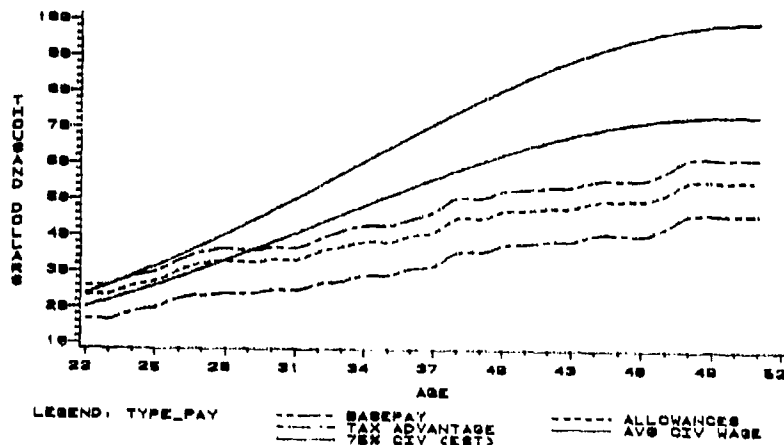


Figure N-II.B.3
Navy Physician

MILITARY PAYS VS CIVILIAN WAGES

NAVY OFFICER
OCCUPATION: DOCTORS



ANNUALIZED COST OF LEAVING

NAVY OFFICER
OCCUPATION: DOCTORS

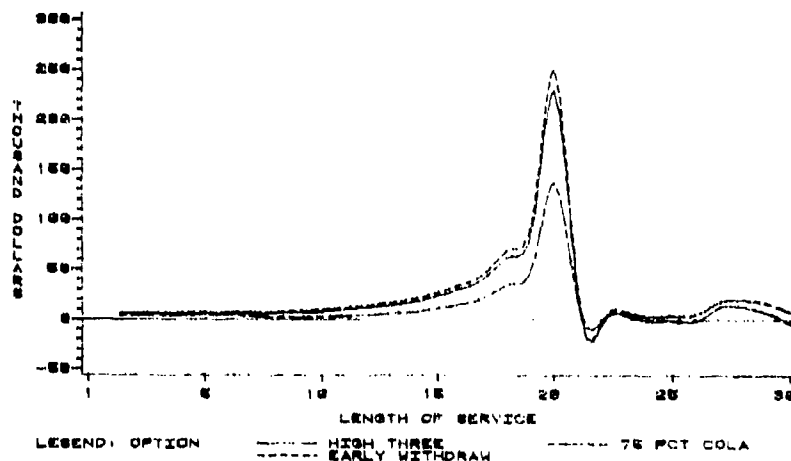
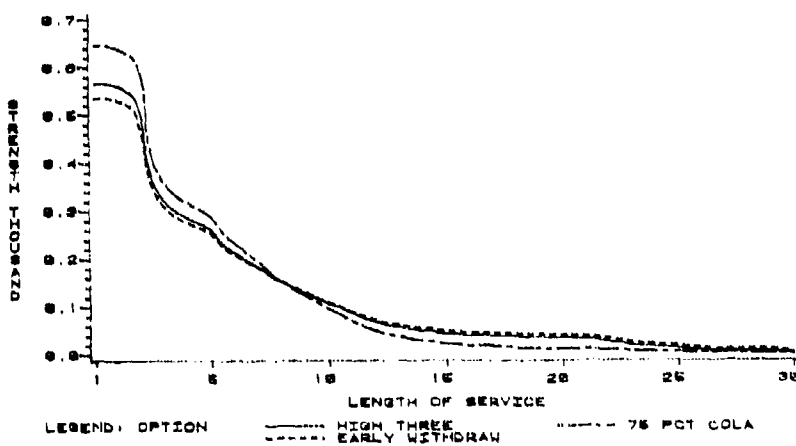


Figure N-11.B.3 (Cont)

FORCE STRUCTURE

NAVY OFFICER
OCCUPATION: DOCTORS



SURVIVAL RATES

NAVY OFFICER
OCCUPATION: DOCTORS

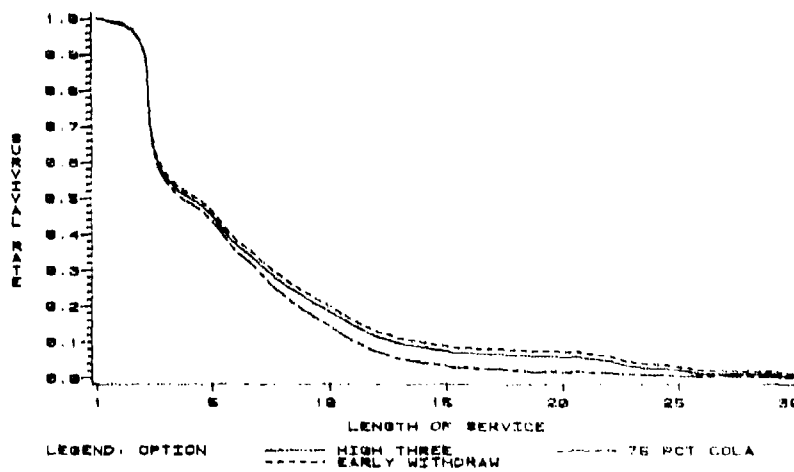
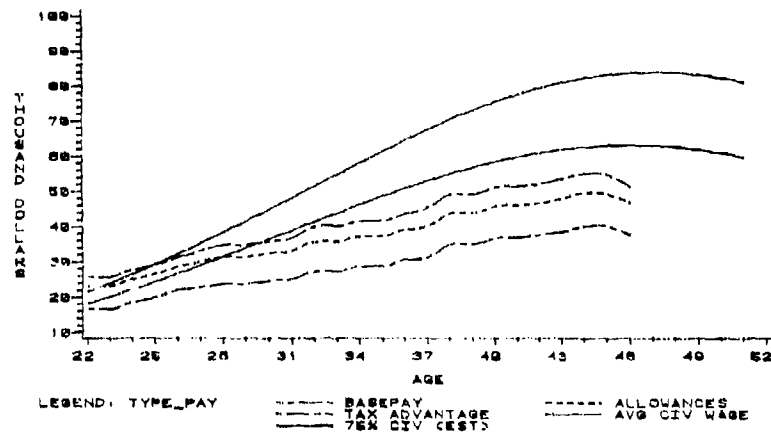


Figure N-II.B.4
Navy Dentist

MILITARY PAYS VS CIVILIAN WAGES

NAVY OFFICER
OCCUPATION: DENTISTS



ANNUALIZED COST OF LEAVING

NAVY OFFICER
OCCUPATION: DENTISTS

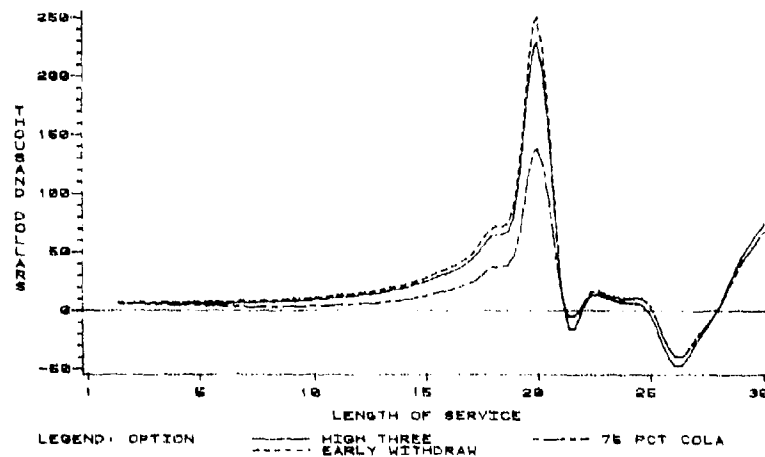
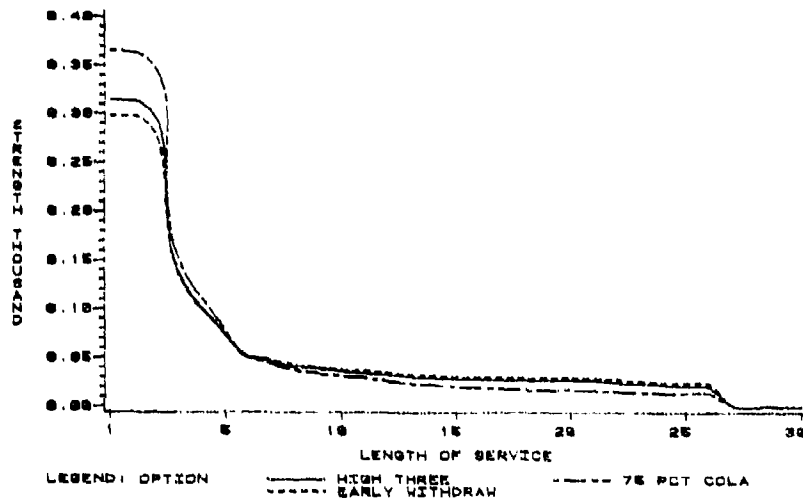


Figure N-11.B.4 (Cont)

FORCE STRUCTURE

NAVY OFFICER
OCCUPATION: DENTISTS



SURVIVAL RATES

NAVY OFFICER
OCCUPATION: DENTISTS

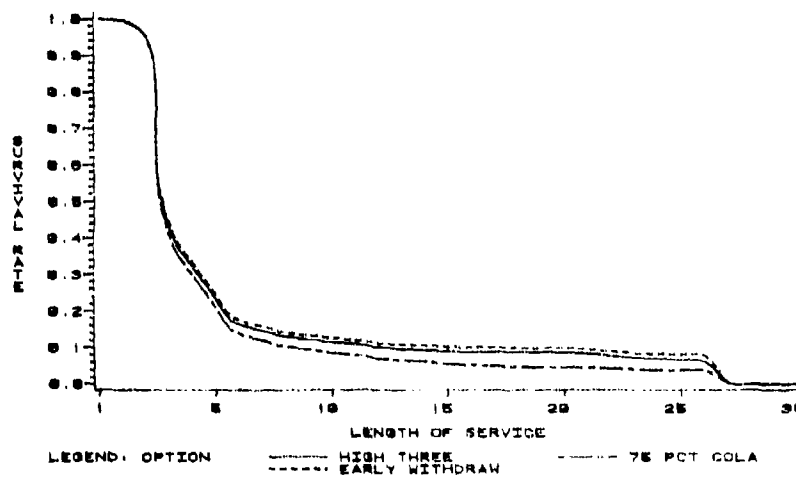
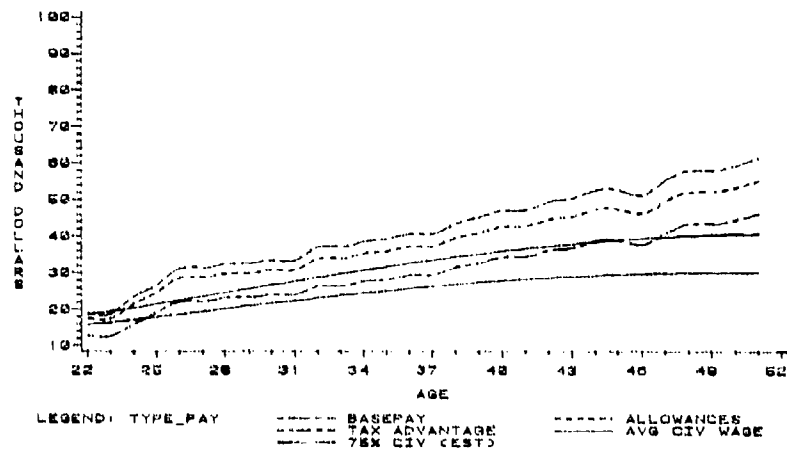


Figure N-II.B.5
Navy Nurse

MILITARY PAYS VS CIVILIAN WAGES

NAVY OFFICER
OCCUPATION: NURSES



ANNUALIZED COST OF LEAVING

NAVY OFFICER
OCCUPATION: NURSES

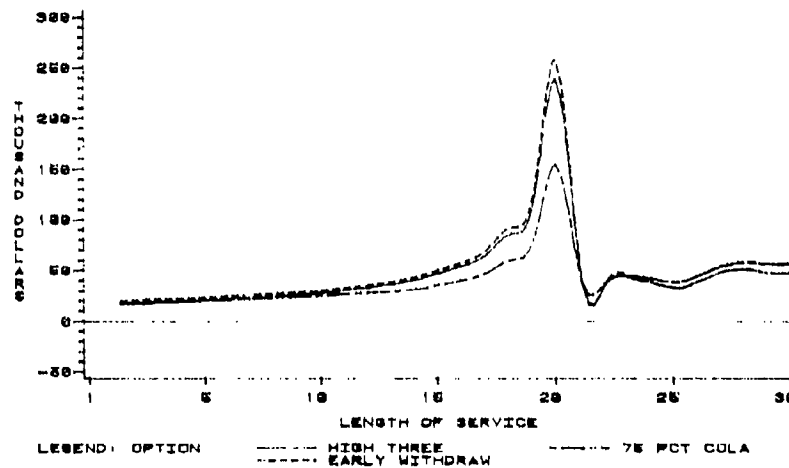
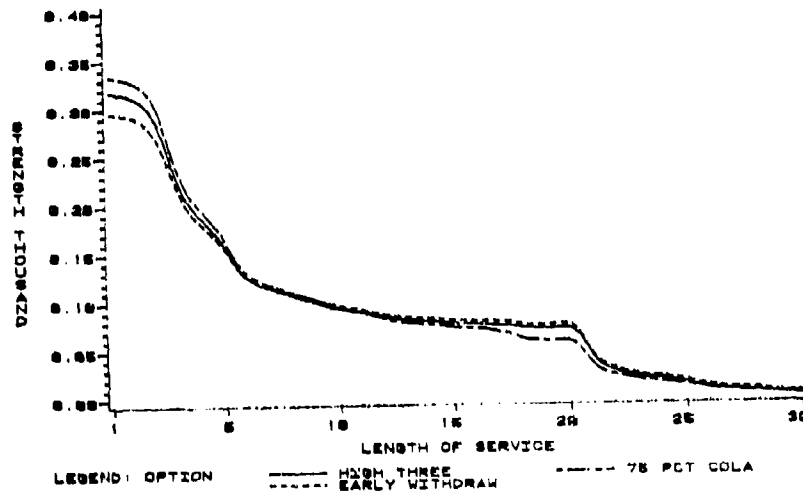


Figure N-II.B.5 (Cont)

FORCE STRUCTURE

NAVY OFFICER
OCCUPATION: NURSES



SURVIVAL RATES

NAVY OFFICER
OCCUPATION: NURSES

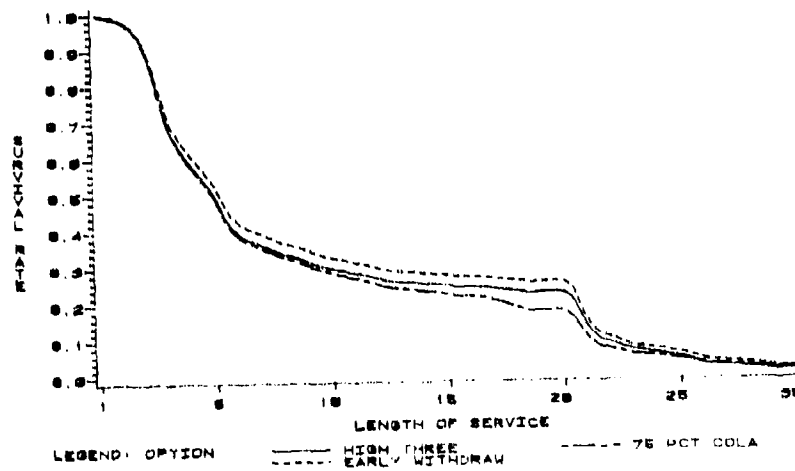
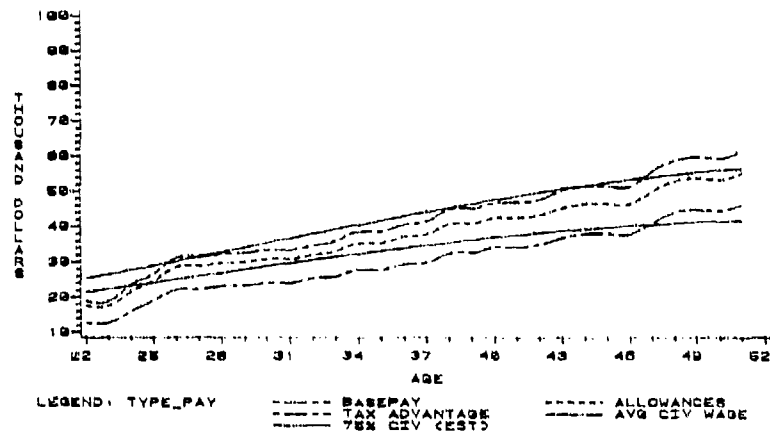


Figure N-II.B.6
Navy Medical Service Corps

MILITARY PAYS VS CIVILIAN WAGES

NAVY OFFICER
OCCUPATION: MED-SRVC



ANNUALIZED COST OF LEAVING

NAVY OFFICER
OCCUPATION: MED-SRVC

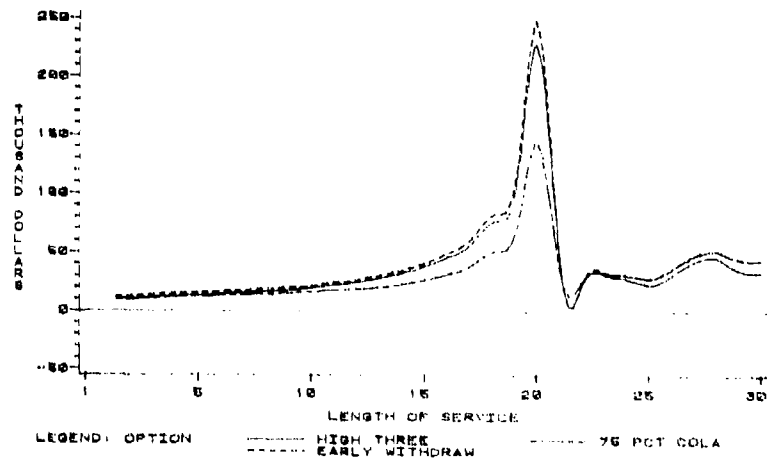
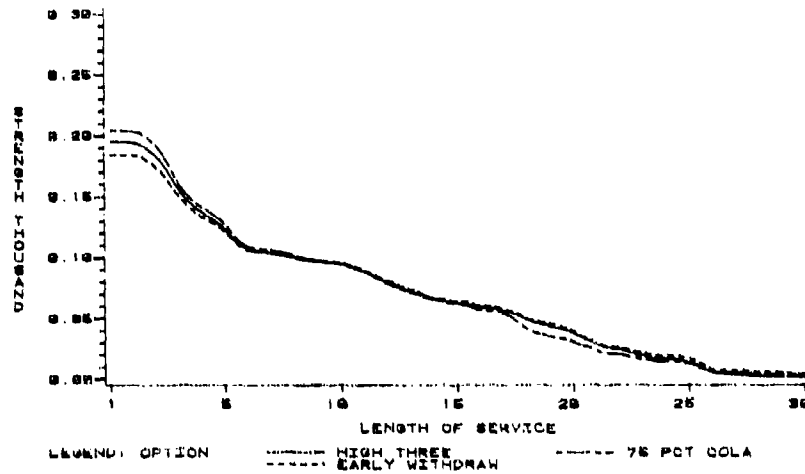


Figure N-11.B.6 (Cont)

FORCE STRUCTURE

NAVY OFFICER
OCCUPATION: MED-SRVC



SURVIVAL RATES

NAVY OFFICER
OCCUPATION: MED-SRVC

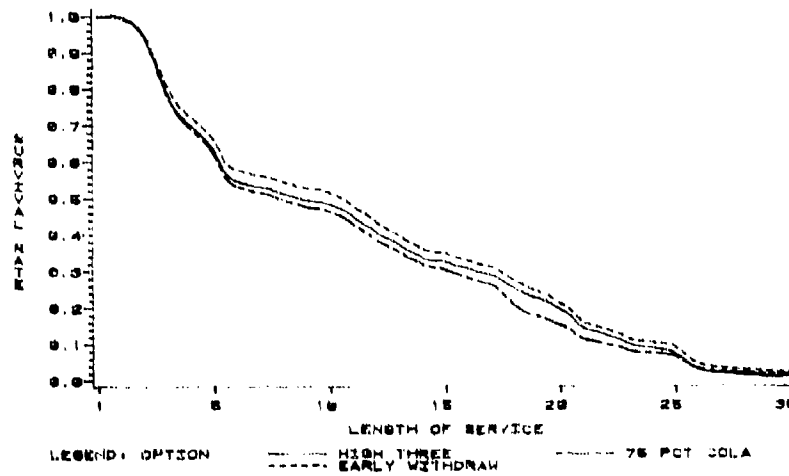
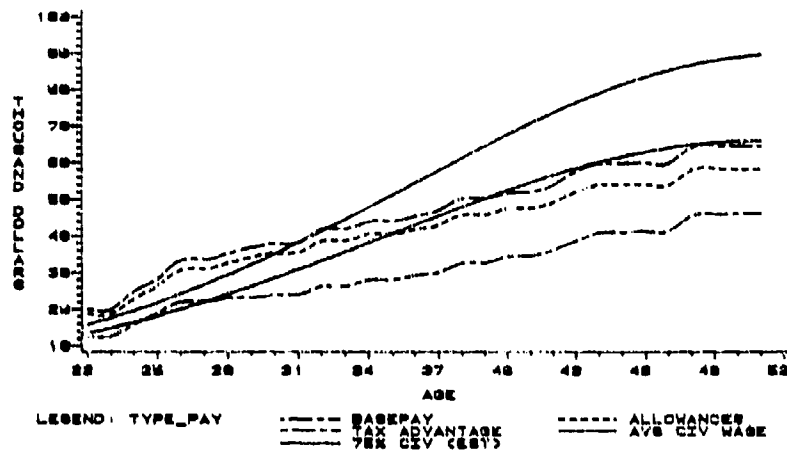


Figure N-II.B.7
Navy Pilots

MILITARY PAYS VS CIVILIAN WAGES

NAVY OFFICER
OCCUPATION: PILOTS



ANNUALIZED COST OF LEAVING

NAVY OFFICER
OCCUPATION: PILOTS

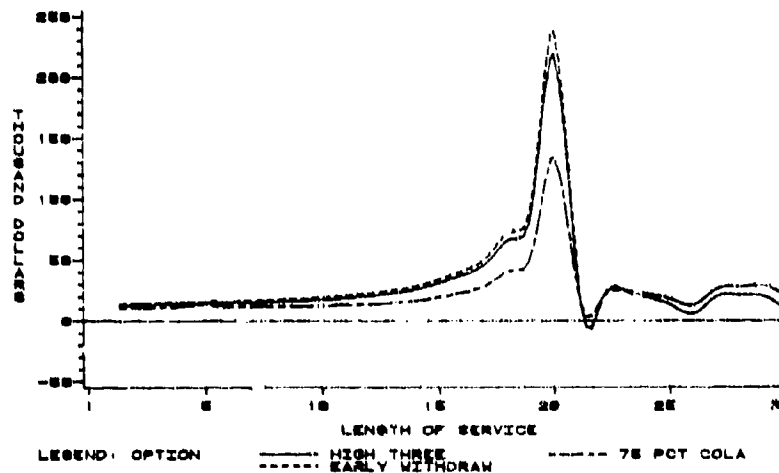
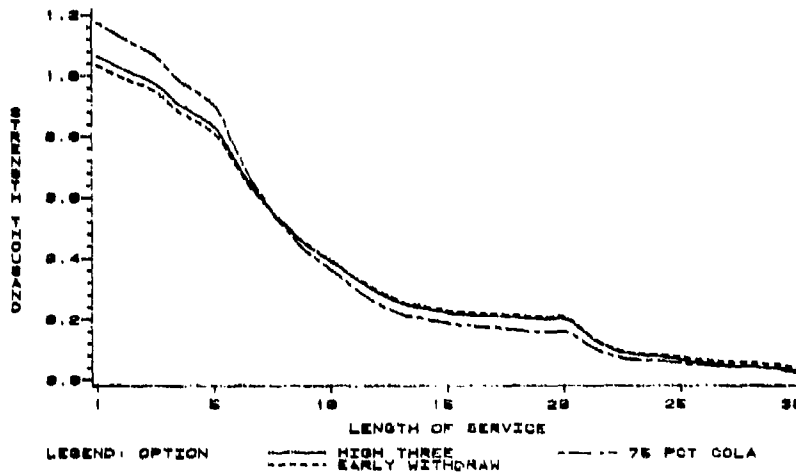


Figure N-II.B.7 (Cont)

FORCE STRUCTURE

NAVY OFFICER
OCCUPATION: PILOTS



SURVIVAL RATES

NAVY OFFICER
OCCUPATION: PILOTS

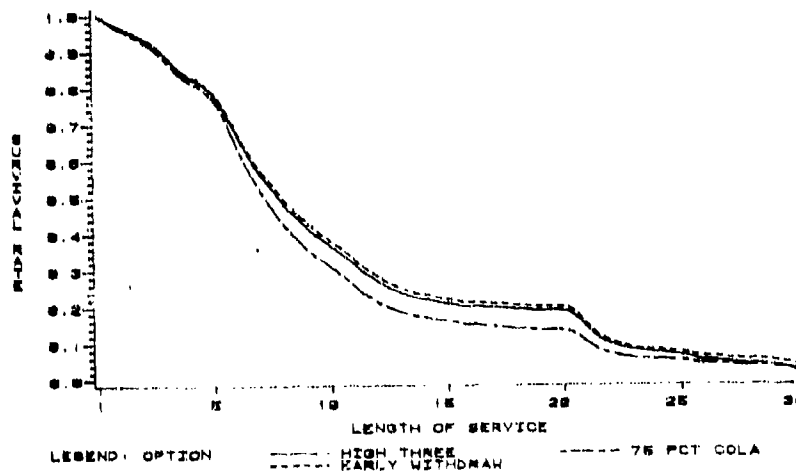
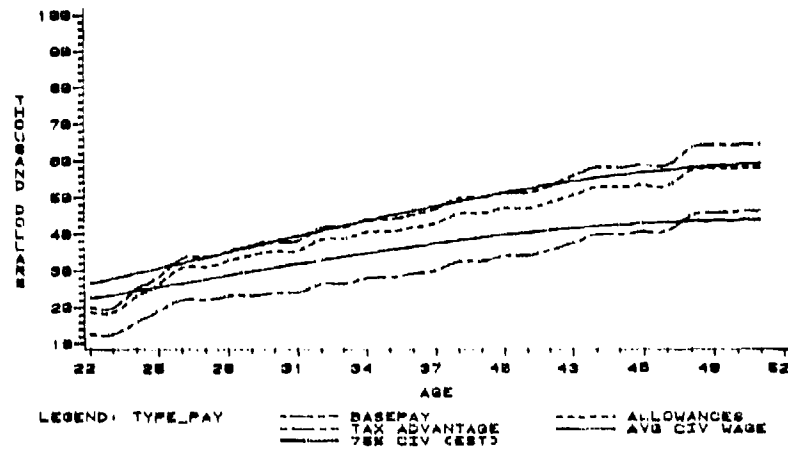


Figure N-II.B.8
Navy Navigators/NFO

MILITARY PAYS VS CIVILIAN WAGES

NAVY OFFICER
OCCUPATION: NAV-NFO



ANNUALIZED COST OF LEAVING

NAVY OFFICER
OCCUPATION: NAV-NFO

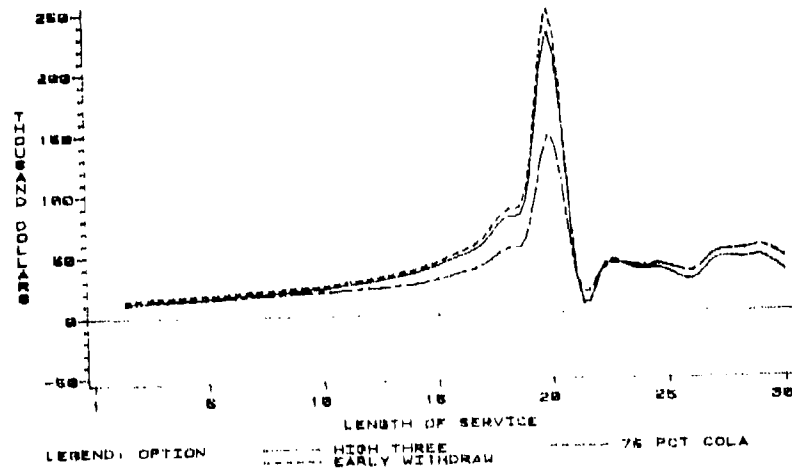
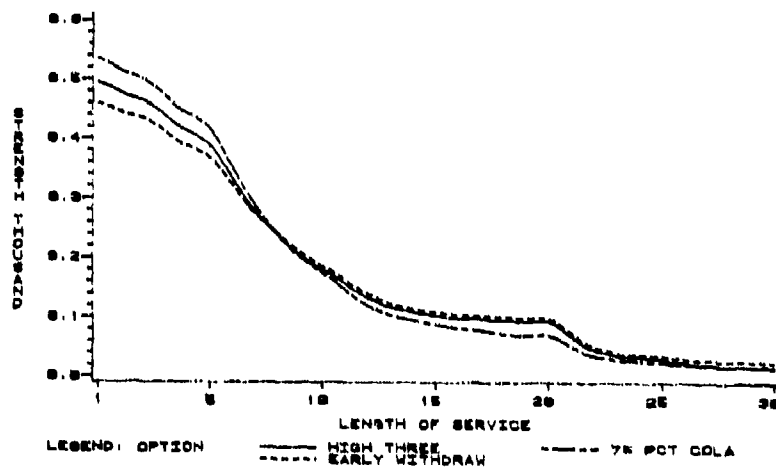


Figure N-11.B.8 (Cont)

FORCE STRUCTURE

NAVY OFFICER
OCCUPATION: NAV-NFO



SURVIVAL RATES

NAVY OFFICER
OCCUPATION: NAV-NFO

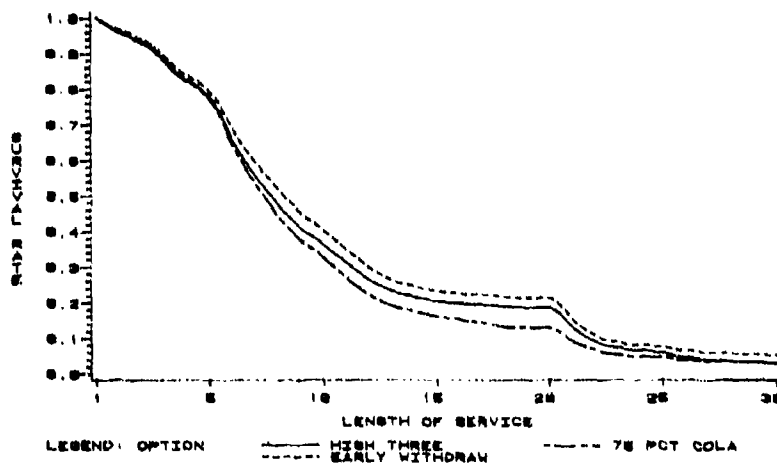
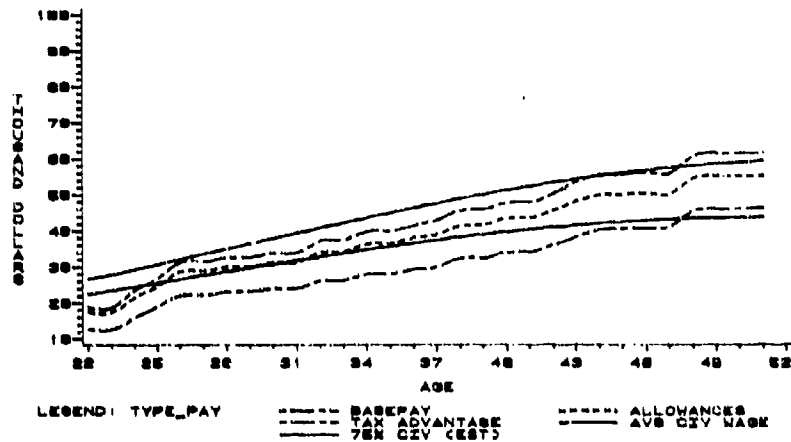


Figure N-II.B.9
Navy Surface and Sub-surface Warfare

MILITARY PAYS VS CIVILIAN WAGES

NAVY OFFICER
OCCUPATION: NAVOP



ANNUALIZED COST OF LEAVING

NAVY OFFICER
OCCUPATION: NAVOP

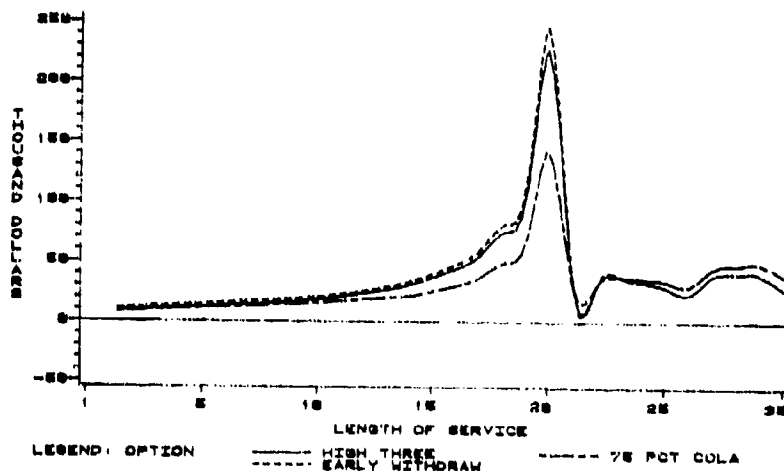
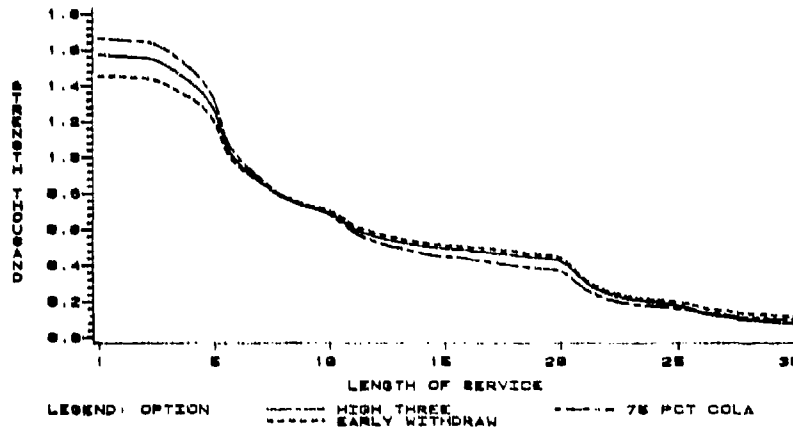


Figure N-II.B.9 (Cont)

FORCE STRUCTURE

NAVY OFFICER
OCCUPATION: NAVOP



SURVIVAL RATES

NAVY OFFICER
OCCUPATION: NAVOP

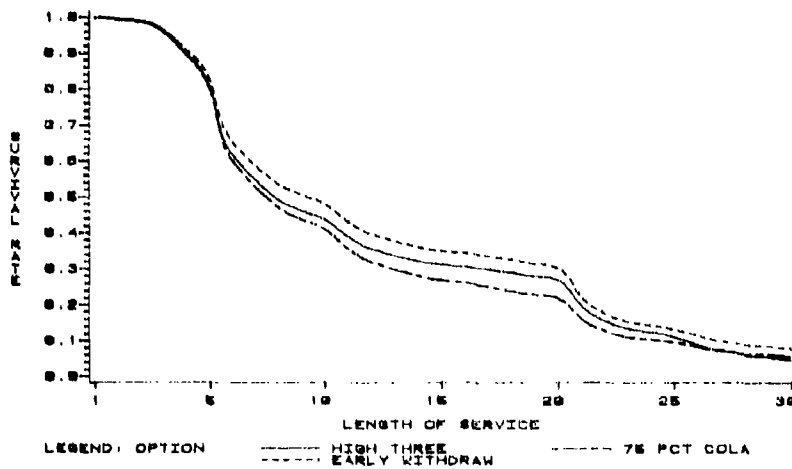
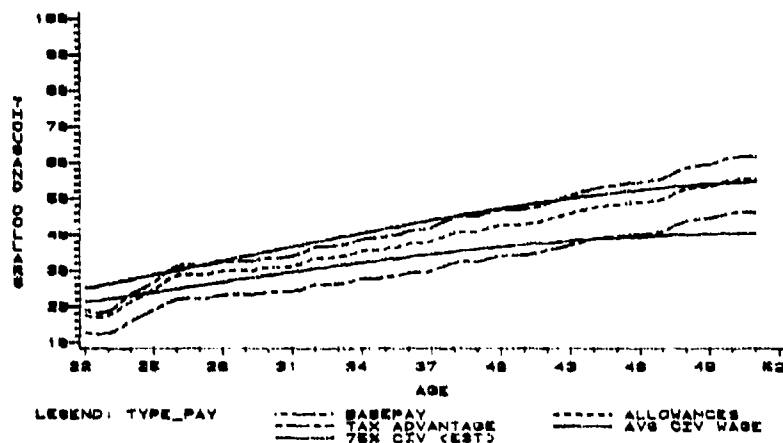


Figure N-II.B.10
Navy Other (Officers-except Warrants)

MILITARY PAYS VS CIVILIAN WAGES

NAVY OFFICER
OCCUPATION: OTHER



ANNUALIZED COST OF LEAVING

NAVY OFFICER
OCCUPATION: OTHER

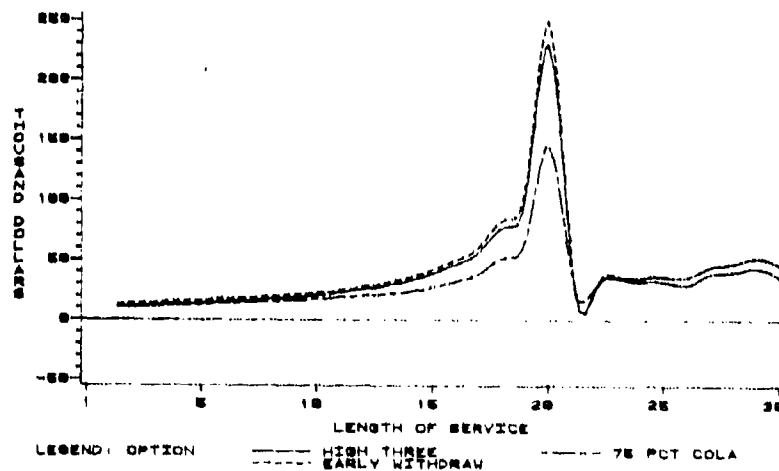
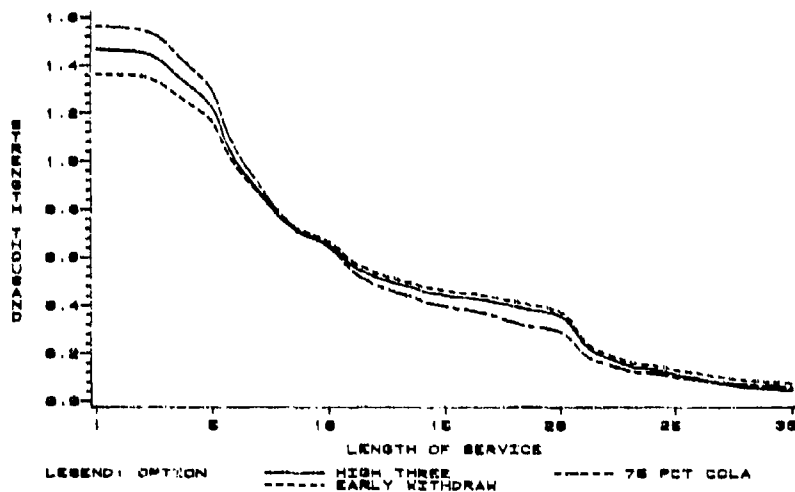


Figure N-II.B.10 (Cont)

FORCE STRUCTURE

NAVY OFFICER
OCCUPATION: OTHER



SURVIVAL RATES

NAVY OFFICER
OCCUPATION: OTHER

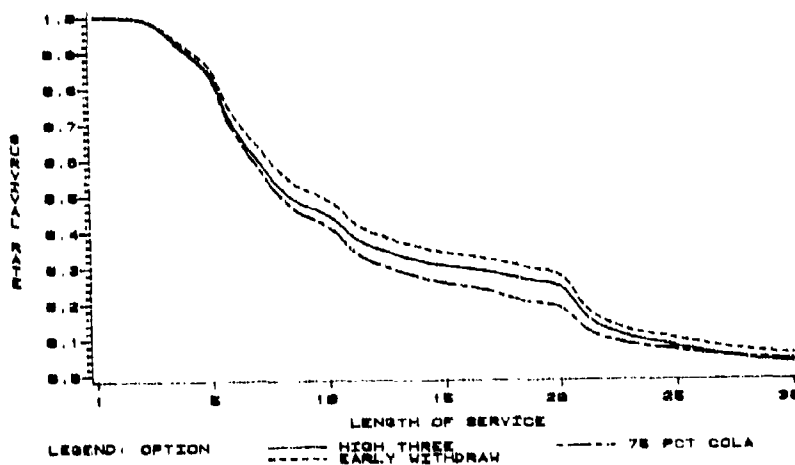
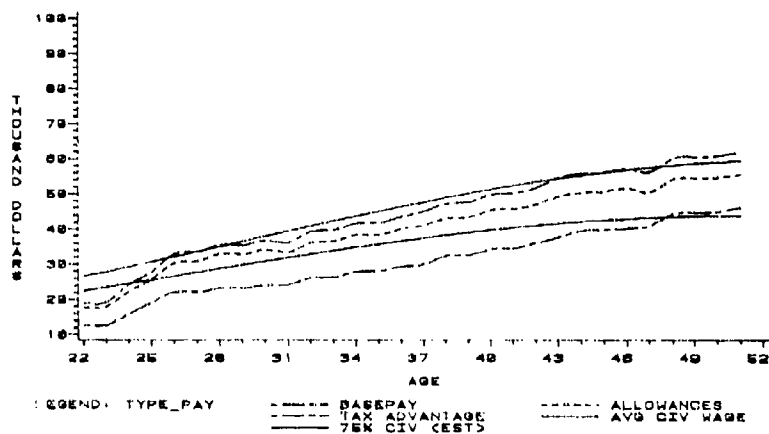


Figure N-11.B.11
Navy Total Officer

MILITARY PAYS VS CIVILIAN WAGES

NAVY OFFICER
OCCUPATION: TOTAL



ANNUALIZED CCST OF LEAVING

NAVY OFFICER
OCCUPATION: TOTAL

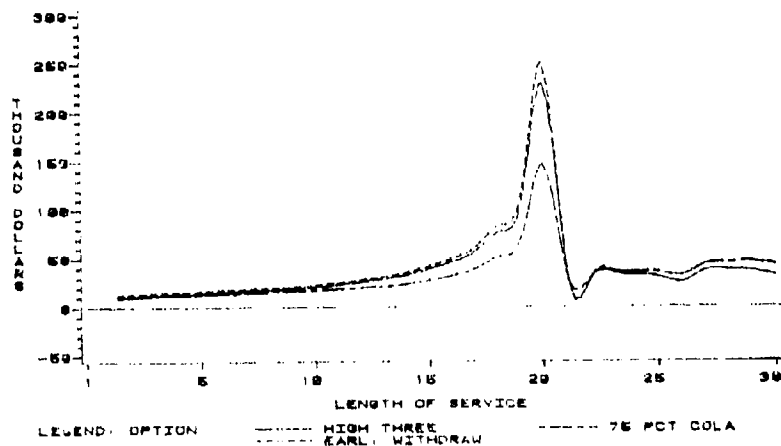
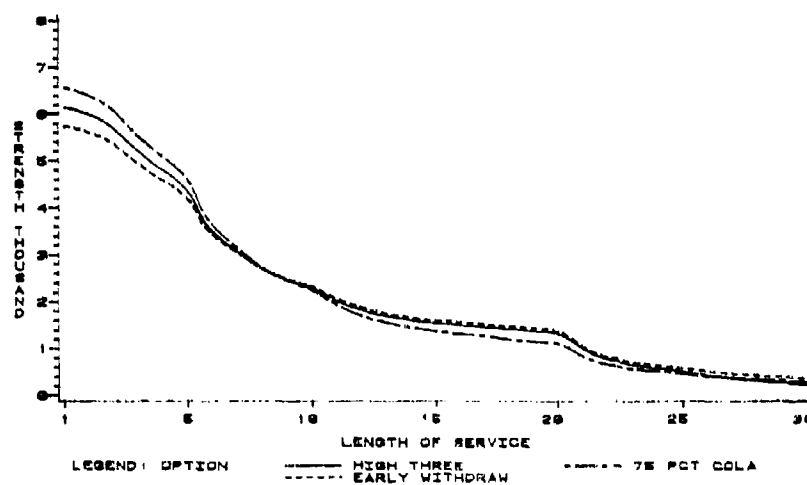


Figure N-II.B.11 (Cont)

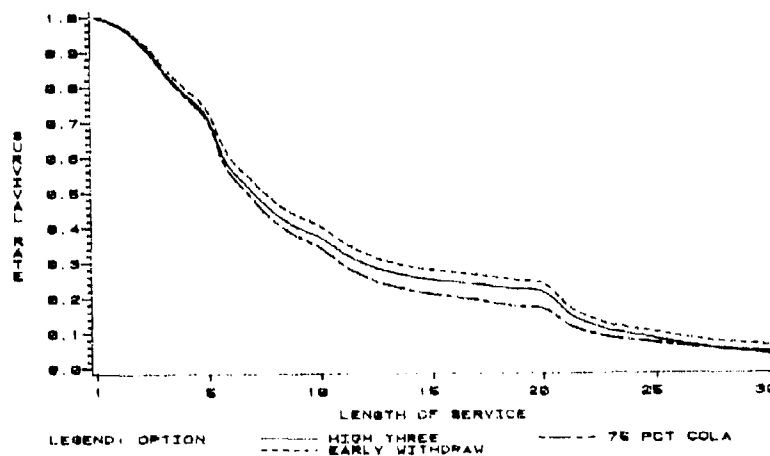
FORCE STRUCTURE

NAVY OFFICER
OCCUPATION: TOTAL



SURVIVAL RATES

NAVY OFFICER
OCCUPATION: TOTAL



C. USMC OFFICER OCCUPATIONAL GROUPS DEFINITIONS.

1. Occupation: Legal (Officer)
QRMC Category 4 DoD Occupation Code: 5F

This occupational category includes judge advocates and legal service/administrative officers. The total for this category is 428 which is 2.5% of the current objective officer endstrength.

2. Occupation: Pilots (Officer)
QRMC Category 12 DoD Occupation Codes: 2A, 2B, 2C

This occupational category includes the following subcategories of Marines: fixed wing fighter and bomber pilots, other fixed wing pilots, and helicopter pilots. The strength for this category is 4509 which is 26.1% of the total current objective officer endstrength.

3. Occupation: Naval Flight Officer - NFO (Officer)
QRMC Category 13 DoD Occupation Code: 2D

This occupational category includes the following subcategories of Marines: naval flight officers, bombardier-navigators, electronics warfare officers, airborne reconnaissance officers, radar intercept officers, and electronics warfare officers. The total for this category is 445 which is 2.6% of the current objective officer endstrength.

4. Occupation: Combat Arms (Officer)
QRMC Category 17 DoD Occupation Code: 2E

This occupational category includes the following subcategories of Marines: infantry officers, field artillery officers, engineer officers, and tank/amphibian vehicle officers. The total for this category is 5,729 which is 33.1% of the current objective officer endstrength.

5. Occupation: Combat Support (Officer)
QRMC Category 18 DoD Occupation Code: 2G, 3A-3C, 4A-4F, 4J, 4L-4N, 5B, 5D, 7A, 7D-7H, 7N, 8A-8G, 9B

This occupational category includes the following subcategories of Marines: Naval gunfire officers, nuclear, biological and chemical warfare officers, air support/defense officers, air traffic control and radar controllers, regional officers, intelligence/interpretation/translator officers, counterintelligence officers, shore party and facilities officers, data systems officers, avionics officers, communications radar officers, air and ground ordnance and weapon systems officers, missile maintenance officers, aviation safety officers, engineer and vehicle maintenance officers, survey and mapping officers, nuclear and industrial engineers, weather service officers, historical officers, administrative officers, disbursing/financial accounting/auditing officers, training and audiovisual support officers, public affairs officers, military police and correction officers, band/drum and bugle corps officers, logistics officers, bulk fuel and ammunition officers, ground/aviation



support officers, traffic officers, ground/aviation supply officers, motor transport officers, contracting officers, food services officers, exchange officers, reproduction officers, and flight officer students. The total for this category is 3800 which is 22.0% of the current objective officer endstrength.

6. Occupation: Limited Duty Officer - LDO (Officer)
QRMC Category 20 DoD Occupational Code: 3A, 3C, 4B, 4C,
4E, 5B, 5F, 7A, 7D-7F, 7H, 7N, 8A-8C,
8E, 8F

This occupational category includes the following subcategories of Marines: intelligence and counterintelligence officers, avionics officers, electronics maintenance officers, ordnance officers, vehicle maintenance officers, weapons repair officers, weather service officers, legal administrative officers, postal and administrative officers, accounting and auditing officers, data system officers, training and audiovisual support officers, band officers, correction officers, embarkation officers, ground and aviation support officers, traffic management officers, food service officers, and exchange officers. The total for this category is 1102 which is 6.3% of the current objective officer endstrength.

7. Occupation: Warrant Officers (Officer)
QRMC Category 51 DoD Occupation Codes: 2G, 3A-3C, 4A-4F,
4L, 4M, 5B, 5F, 7A, 7D-7H, 7N, 8A-8C,
8E-8G

This occupational category includes the following subcategories of Marines: air control officers, nuclear, biological and chemical defense officers, intelligence and counterintelligence officers, construction officers, aviation missile and ground maintenance officers, data systems officers, ordnance and weapons officers, surveying and meteorological officers, track vehicle maintenance officers, engineer equipment officers, legal administrators, postal and administrative officers, disbursing/accounting/auditing officers, data systems officers, training and audiovisual support officers, band officers, correction and criminal investigative officers, public affairs officers, embarkation officers, ground and aviation supply officers, traffic management officers, and food service officers. The total for this category is 1290 which is 7.4% of the current objective officer endstrength.

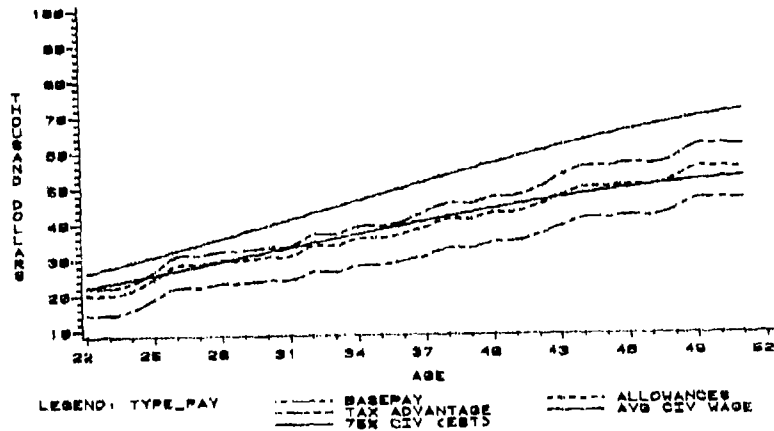
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| N-II.C. | 4. | USMC Combat Arms |
| N-II.C. | 5. | USMC Combat Support |
| N-II.C. | 6. | USMC Other Officers |
| N-II.C. | 7. | USMC Total Officer |

Figure N-II.C.1
USMC Legal

MILITARY PAYS VS CIVILIAN WAGES

USMC OFFICER
OCCUPATION: LEGAL



ANNUALIZED COST OF LEAVING

USMC OFFICER
OCCUPATION: LEGAL

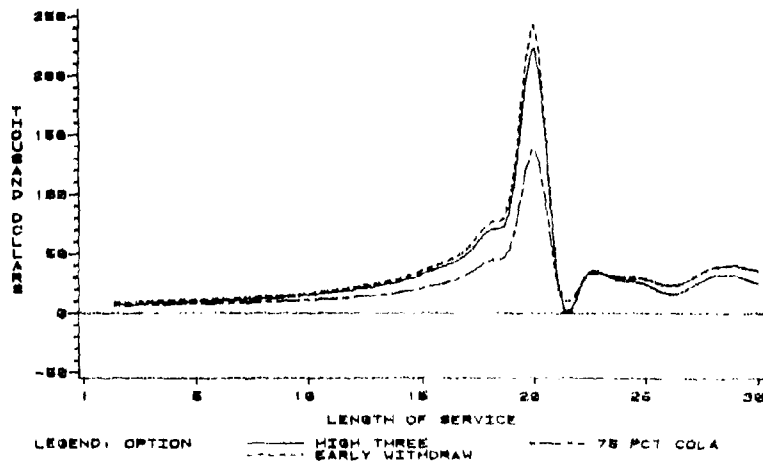
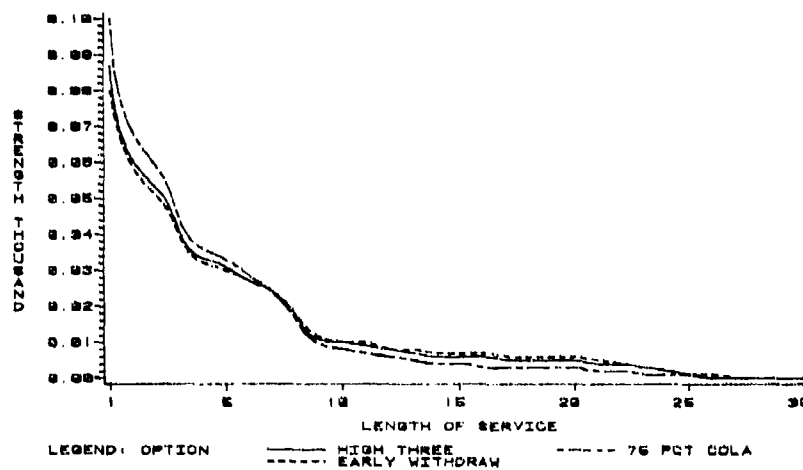


Figure N-II.C.1 (Cont)

FORCE STRUCTURE

USMC OFFICER
OCCUPATION: LEGAL



SURVIVAL RATES

USMC OFFICER
OCCUPATION: LEGAL

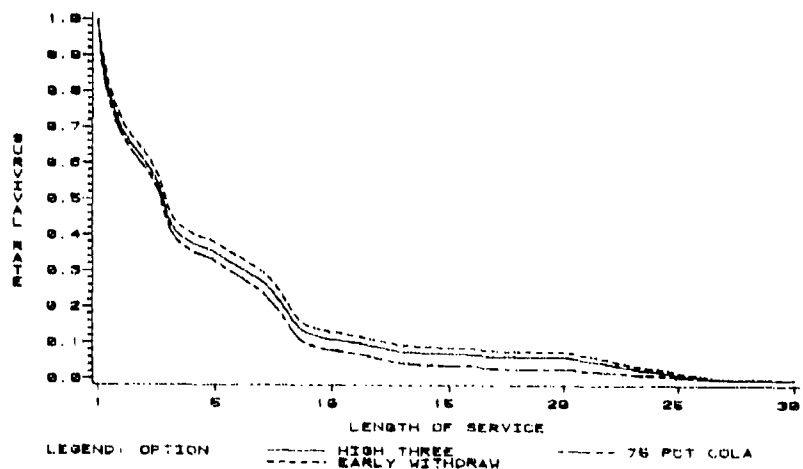
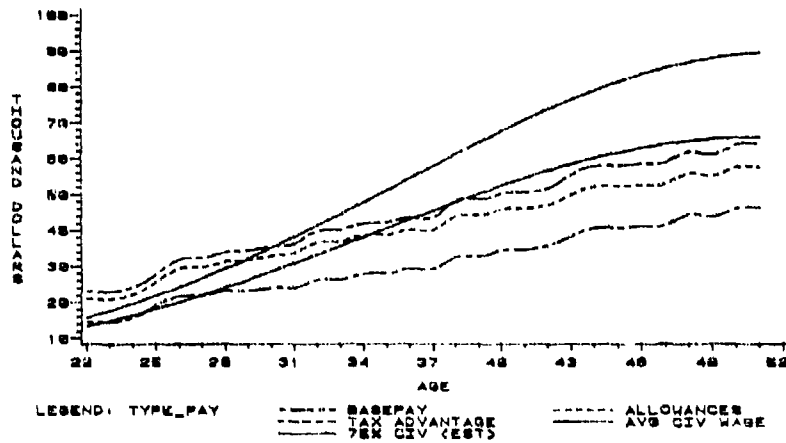


Figure N-II.C.2
USMC Pilots

MILITARY PAYS VS CIVILIAN WAGES

USMC OFFICER
OCCUPATION: PILOTS



ANNUALIZED COST OF LEAVING

USMC OFFICER
OCCUPATION: PILOTS

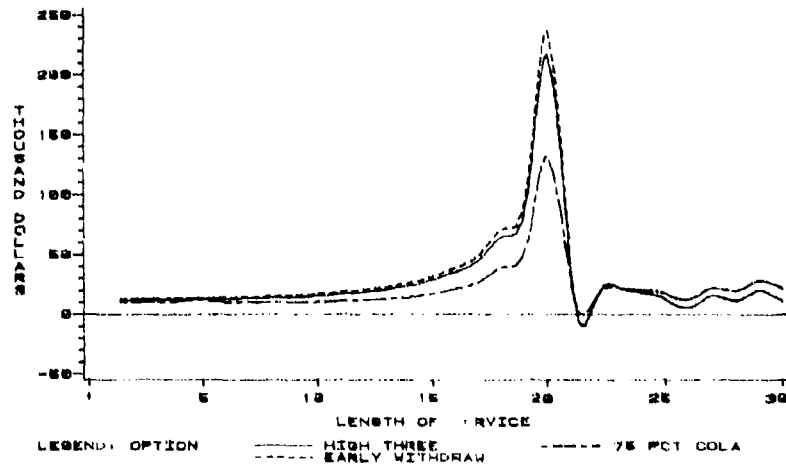
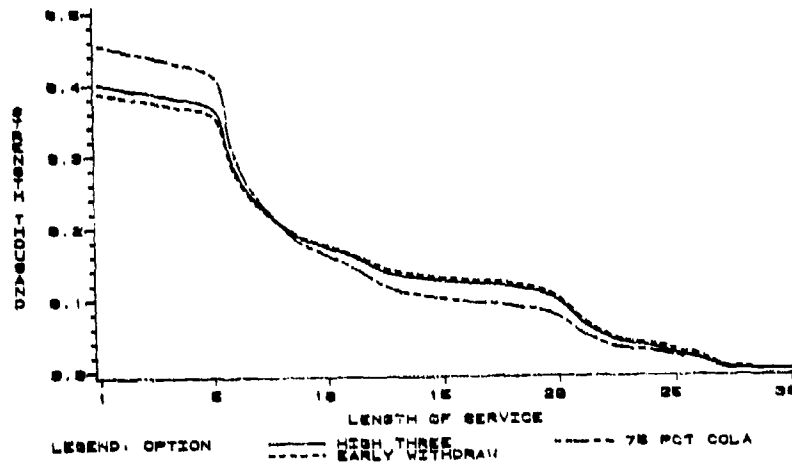


Figure N-II.C.2 (Cont)

FORCE STRUCTURE

USMC OFFICER
OCCUPATION: PILOTS



SURVIVAL RATES

USMC OFFICER
OCCUPATION: PILOTS

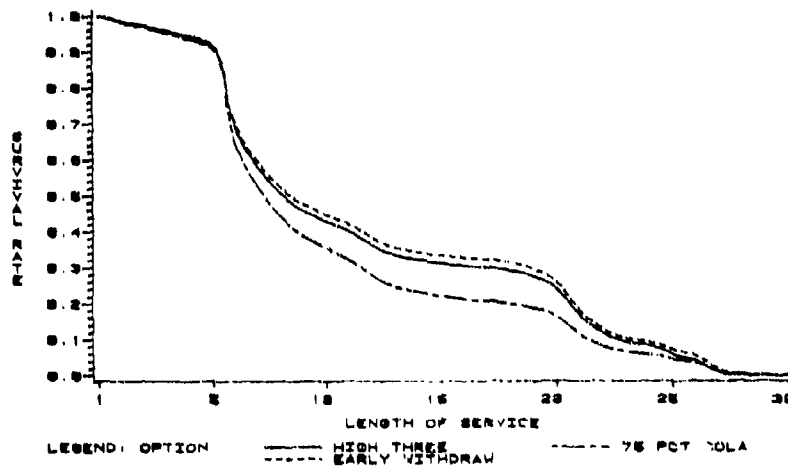
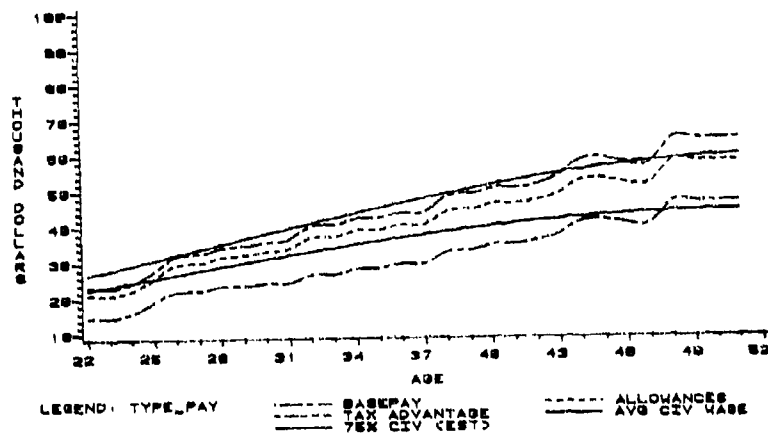


Figure N-11.C.3
USMC Naval Flight Officer/NFO

MILITARY PAYS VS CIVILIAN WAGES

USMC OFFICER
OCCUPATION: NAV-NFO



ANNUALIZED COST OF LEAVING

USMC OFFICER
OCCUPATION: NAV-NFO

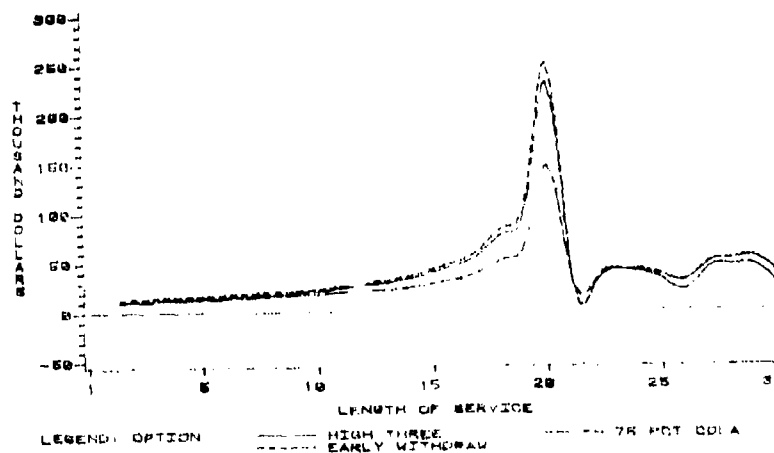
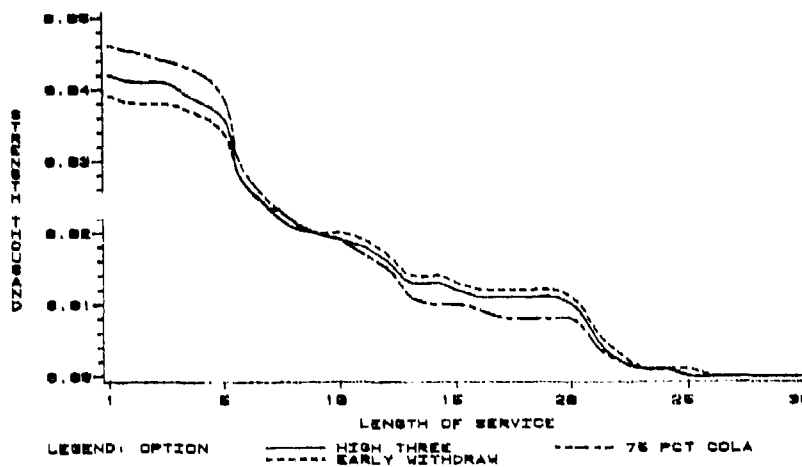


Figure N-II.C.3 (Cont)

FORCE STRUCTURE

USMC OFFICER
OCCUPATION: NAV-NFO



SURVIVAL RATES

USMC OFFICER
OCCUPATION: NAV-NFO

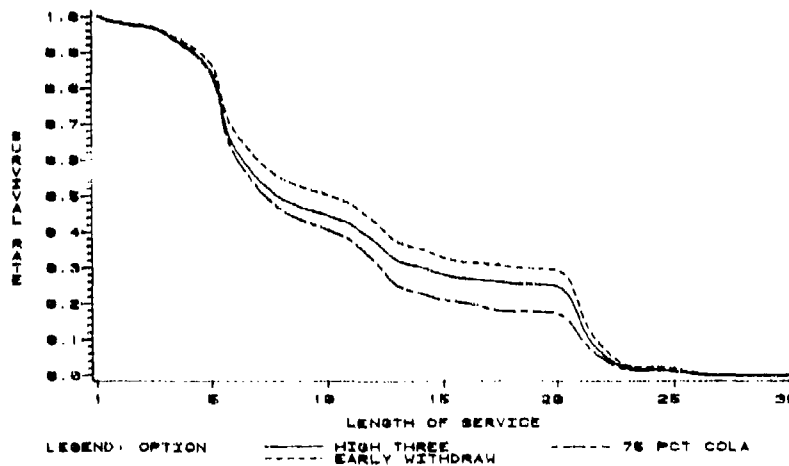
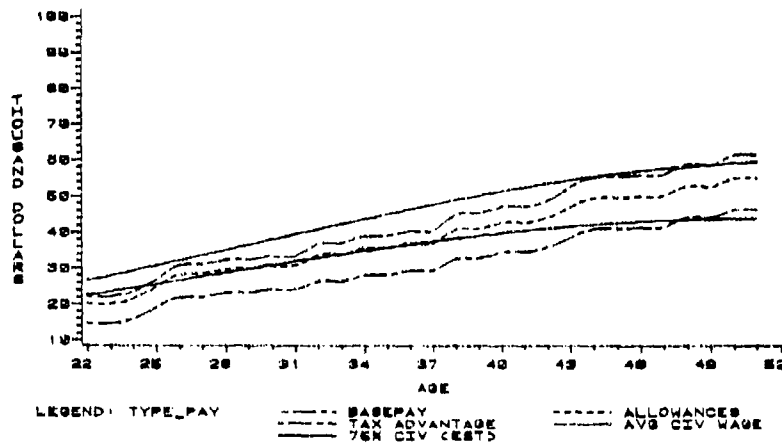


Figure N-11.C.4
USMC Combat Arms

MILITARY PAYS VS CIVILIAN WAGES

USMC OFFICER
OCCUPATION: COMBAT



ANNUALIZED COST OF LEAVING

USMC OFFICER
OCCUPATION: COMBAT

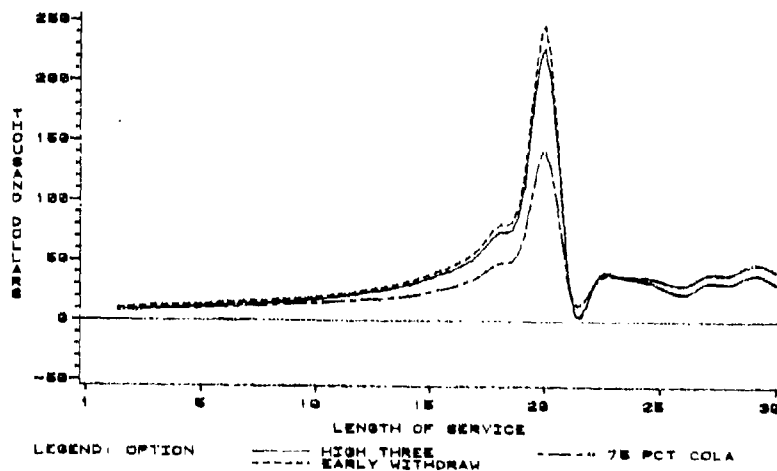
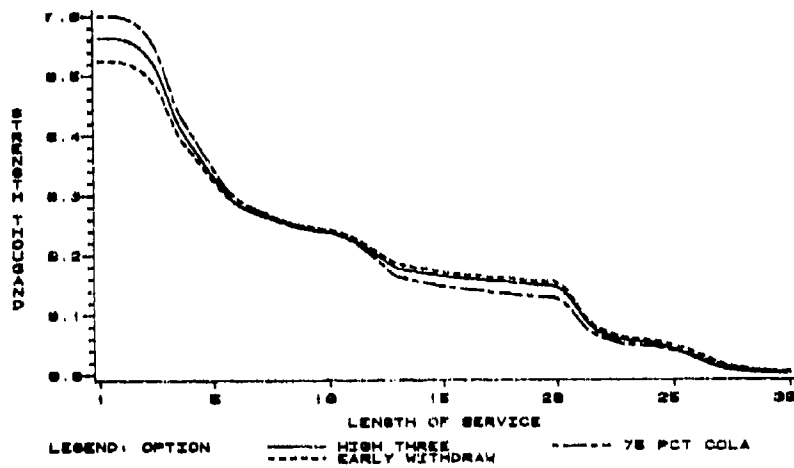


Figure N-II.C.4 (Cont)

FORCE STRUCTURE

USMC OFFICER
OCCUPATION: COMBAT



SURVIVAL RATES

USMC OFFICER
OCCUPATION: COMBAT

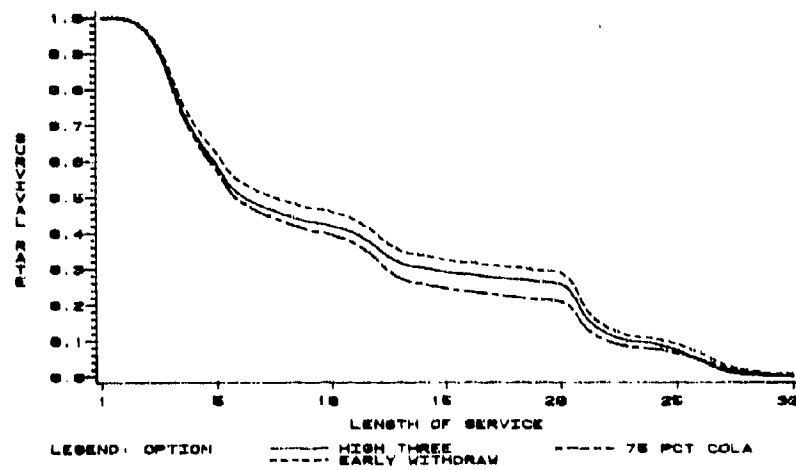
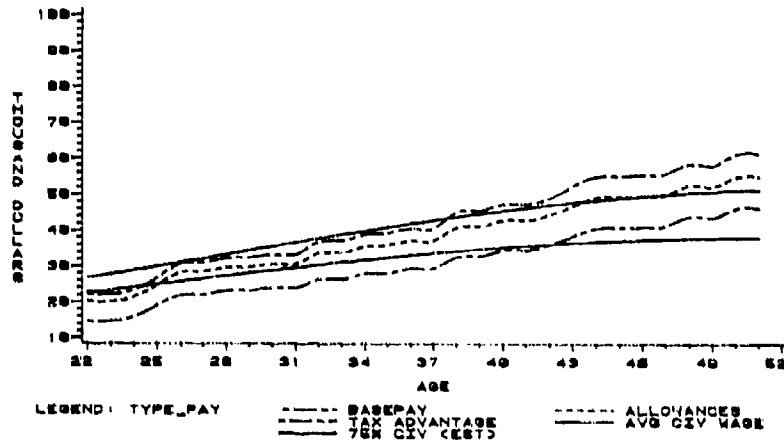


Figure N-11.C.5
USMC Combat Support

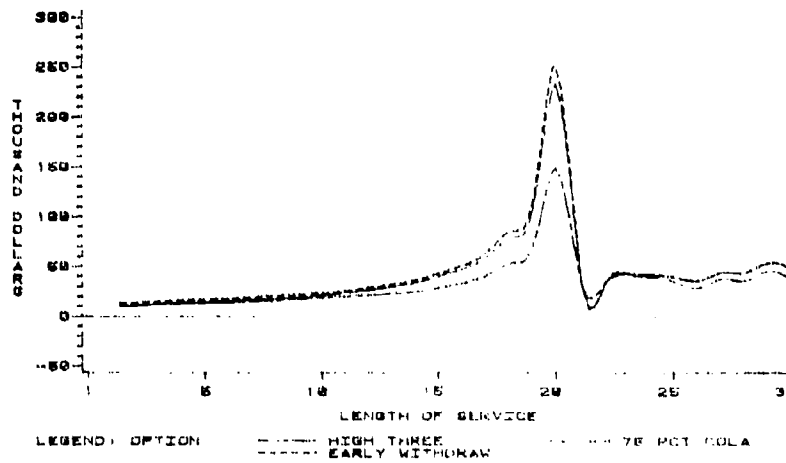
MILITARY PAYS VS CIVILIAN WAGES

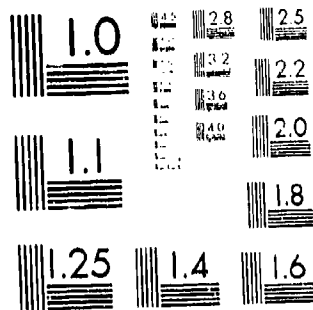
USMC OFFICER
OCCUPATION: SUPPORT



ANNUALIZED COST OF LEAVING

USMC OFFICER
OCCUPATION: SUPPORT



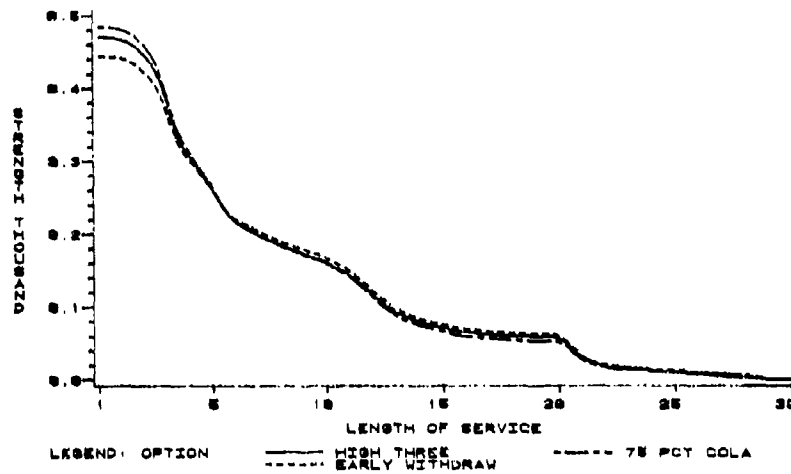


MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

Figure N-II.C.5 (Cont)

FORCE STRUCTURE

USMC OFFICER
OCCUPATION: SUPPORT



SURVIVAL RATES

USMC OFFICER
OCCUPATION: SUPPORT

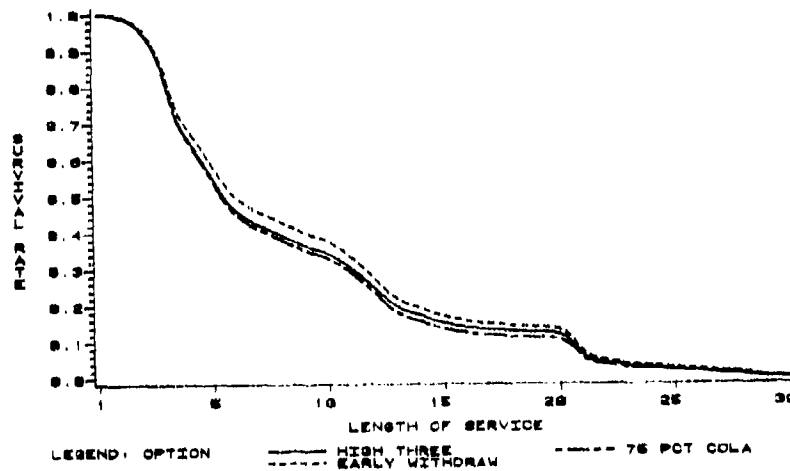
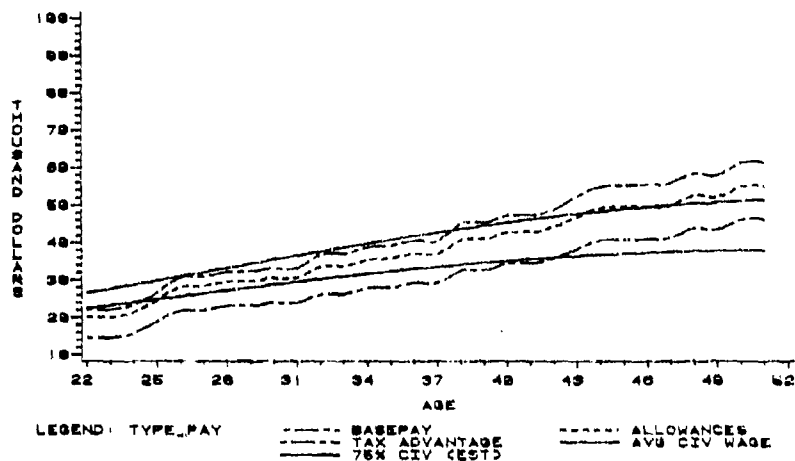


Figure N-II.C.6
USMC Other Officers

MILITARY PAYS VS CIVILIAN WAGES

USMC OFFICER
OCCUPATION: OTHER



ANNUALIZED COST OF LEAVING

USMC OFFICER
OCCUPATION: OTHER

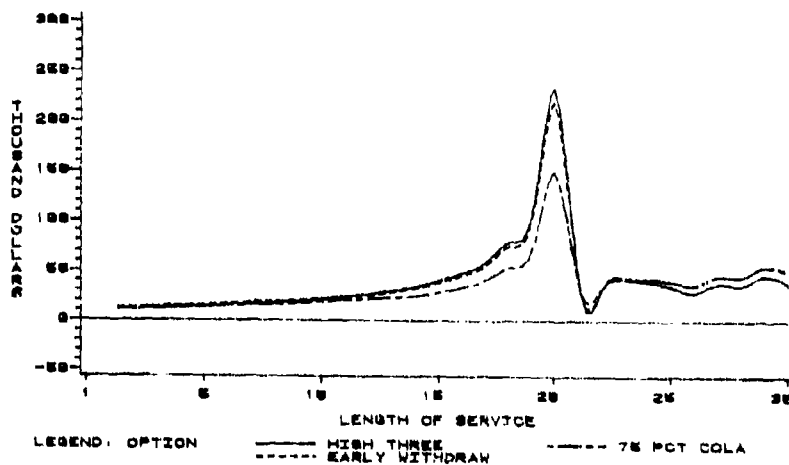
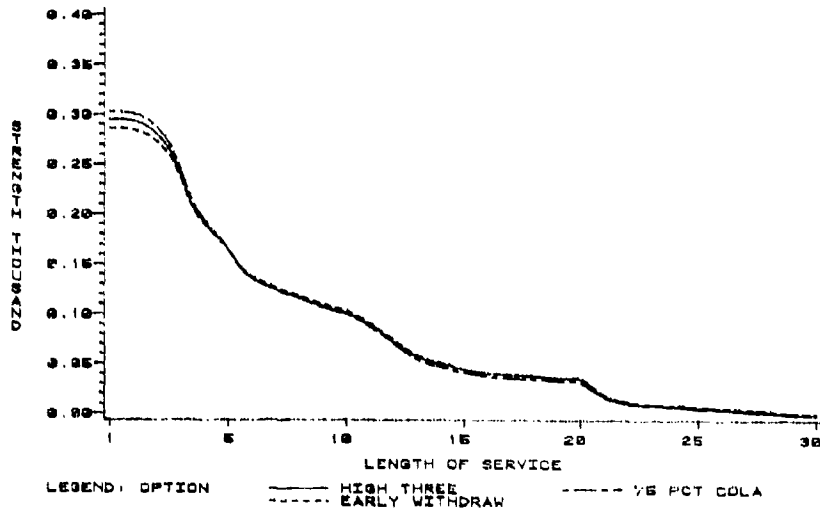


Figure N-II.C.6 (Cont)

FORCE STRUCTURE

USMC OFFICER
OCCUPATION: OTHER



SURVIVAL RATES

USMC OFFICER
OCCUPATION: OTHER

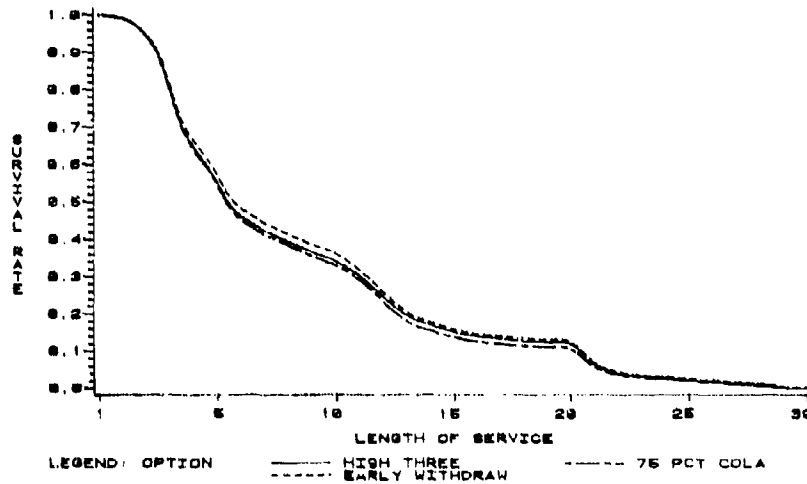
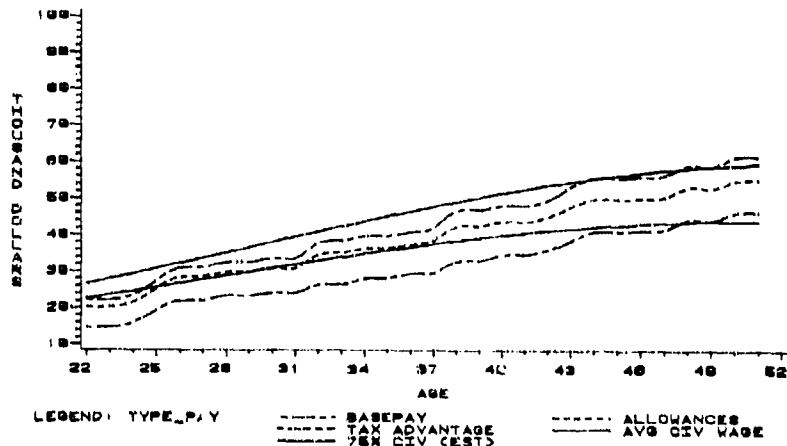


Figure N-II.C.7
USMC Total Officer

MILITARY PAYS VS CIVILIAN WAGES

USMC OFFICER
OCCUPATION: TOTAL



ANNUALIZED COST OF LEAVING

USMC OFFICER
OCCUPATION: TOTAL

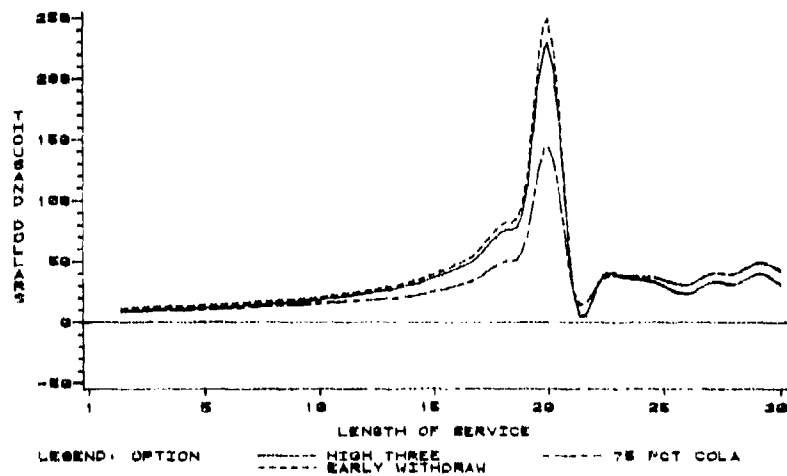
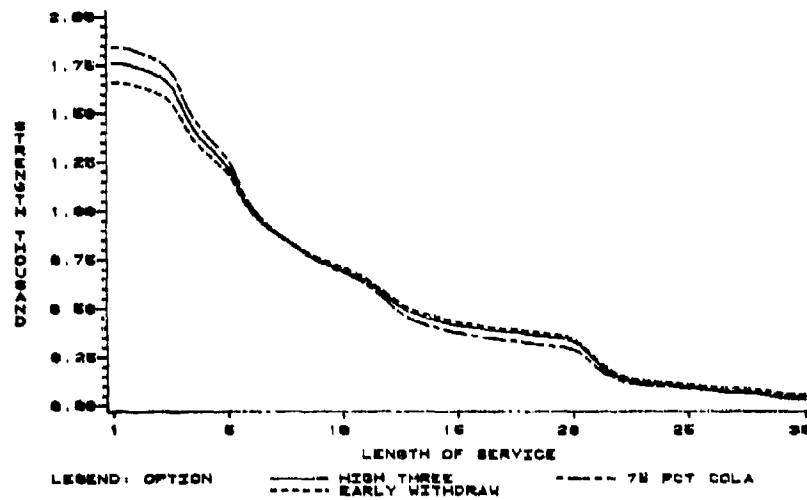


Figure N-II.C.7 (Cont)

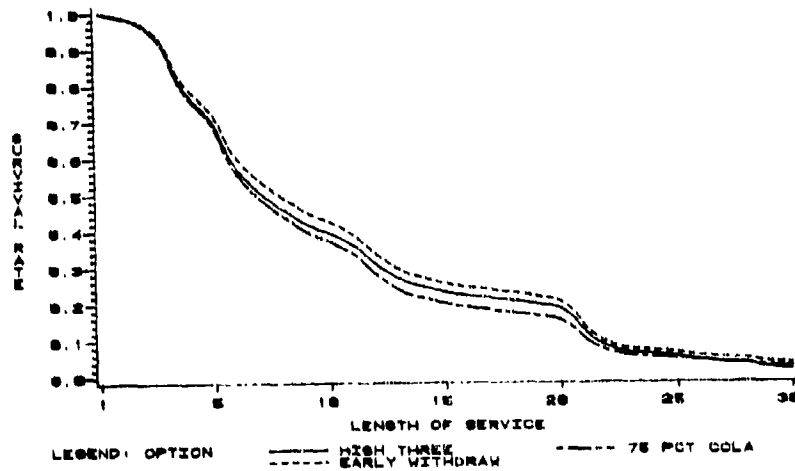
FORCE STRUCTURE

USMC OFFICER
OCCUPATION: TOTAL



SURVIVAL RATES

USMC OFFICER
OCCUPATION: TOTAL



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D. USAF OFFICER OCCUPATIONAL DEFINITIONS.

1. Occupation: Legal (Officer)
QRMC Category 4 DOD Occupation Code: 5F

This occupational category includes lawyers and judge advocates. The current objective endstrength for this category is 1227 which is 1% of the total current objective officer endstrength.

2. Occupation: Chaplain (Officer)
QRMC Category 5 DOD Occupation Code: 5G

This category includes chaplains. The current objective endstrength for this category is 852 which is 1% of the total current objective officer endstrength.

3. Occupation: Physician (Officer)
QRMC Category 6 DOD Occupation Code: 6A

This occupational category includes physicians from the following specialties: aerospace medicine, allergy, anesthesiology, cardiology, dermatology, gastroenterology, general medicine, internal medicine, neurology, obstetrics and gynecology, ophthalmology, otolaryngology, pathology, pediatrics, physical medicine, proctology, psychiatry, pulmonary disease, radiology, nuclear medicine, general surgery, neurological surgery, orthopedic surgery, plastic surgery, thoracic surgery, and urology. The current objective endstrength for this category is 3678 which is 4% of the total current objective officer endstrength.

4. Occupation: Dentist (Officer)
QRMC Category 7 DOD Occupation Code: 6C

This occupational category includes dentists. The current objective endstrength for this category is 1585 which is 2% of the total current objective officer endstrength.

5. Occupation: Nurse (Officer)
QRMC Category 8 DOD Occupation Code: 6E, F

This occupational category includes general nurses and nursing specialists. The current objective endstrength for this category is 4448 which is 4% of the total current objective officer endstrength.

6. Occupation: Medical Service (Officer)
QRMC Category 10 DOD Occupation Code: 7M

This occupational category includes health services administrators and remaining veterinarians. The current objective endstrength for this category is 1114 which is 1% of the total current objective officer endstrength.

7. Occupation: Bio-Medical Service (Officer)
QRMC Category 11 DOD Occupation Code: 6H, 5C, E, H



This occupational category includes officers from medical fields not already covered, biological scientists, psychologists, and clinical social workers. The current objective endstrength for this category is 2236 which is 2% of the total current objective officer strength.

8. Occupation: Pilot (Officer)
QRMC Category 12 DOD Occupation Code: 2A-C

This occupational category includes the following subcategories: fixed-wing fighter and bomber pilots, other fixed-wing pilots, and helicopter pilots. The current objective endstrength for this category is 27798 which is 27% of the total current objective officer endstrength.

9. Occupation: Navigator (Officer)
QRMC Category 13 DOD Occupation Code: 20

This occupational category includes aircrew members who are not pilots. The current objective endstrength for this category is 12218 which is 12% of the total current objective officer endstrength.

10. Occupation: Technical (Officer)
QRMC Category 29, 30 DOD Occupation Code: 4A-F, J, M, N;
5A, B, D, L, M

This occupational category includes the following subcategories: civil and bioenvironmental engineers, electronic engineers, communications-electronics officers, aviation maintenance officers and engineers from related fields, ordnance officers, missile maintenance officers, disaster preparedness officers, cartographic officers, acquisition and project development officers, physical scientists, meteorologists, social scientists, research and development coordinators, and social action officers. The current objective endstrength for this category is 15687 which is 16% of the total current objective officer endstrength.

11. Occupation: Support (Officer)
QRMC Category: 14-16, 25, 35 DOD Occupation Code:
2F, 2G; 3A-C; 8A-G; 7A-H, N

This occupational category includes the following subcategories: missile officers, operations staff officers, intelligence officers, signals intelligence officers, special investigations officers, logistics officers, supply officers, transportation officers, acquisition and production officers, food service officers, services officers, general administrators, training administrators, manpower and personnel officers, accounting and finance officers, data processing officers, audiovisual officers, public affairs officers, security police officers, and band officers. The current objective endstrength for this category is 30624 which is 30% of the total current objective officer endstrength. This occupational category includes health services administrators and remaining veterinarians. The current objective endstrength for this category is 1114 which is 1% of the total current objective officer endstrength.

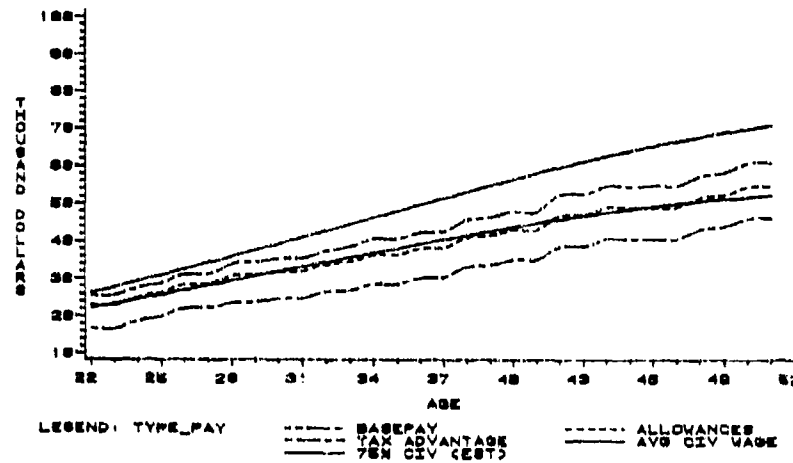
List of Figures (USAF Officer)

| | | |
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| N-II.D. | 1. | USAF Legal |
| N-II.D. | 2. | USAF Chaplain |
| N-II.D. | 3. | USAF Physician |
| N-II.D. | 4. | USAF Dentist |
| N-II.D. | 5. | USAF Nurse |
| N-II.D. | 6. | USAF Medical Service |
| N-II.D. | 7. | USAF Bio-Medical Service |
| N-II.D. | 8. | USAF Pilot |
| N-II.D. | 9. | USAF Navigator |
| N-II.D. | 10. | USAF Technical |
| N-II.D. | 11. | USAF Support |
| N-II.D. | 12. | USAF Total Officer |

Figure N-II.D.1
USAF Legal

MILITARY PAYS VS CIVILIAN WAGES

USAF OFFICER
OCCUPATION: LEGAL



ANNUALIZED COST OF LEAVING

USAF OFFICER
OCCUPATION: LEGAL

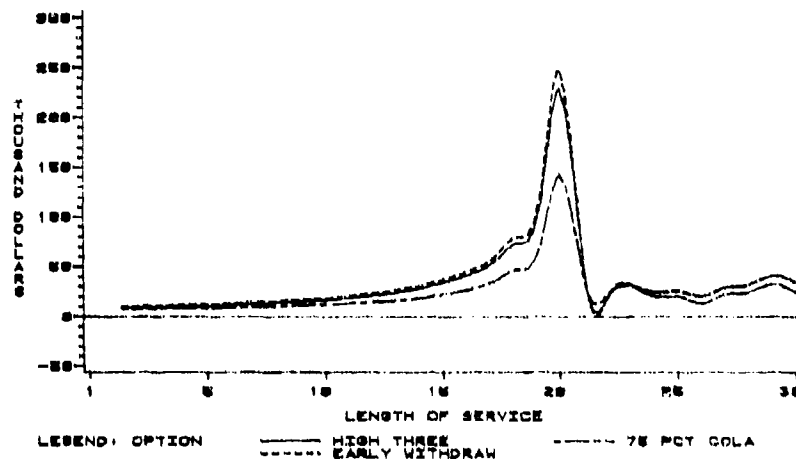
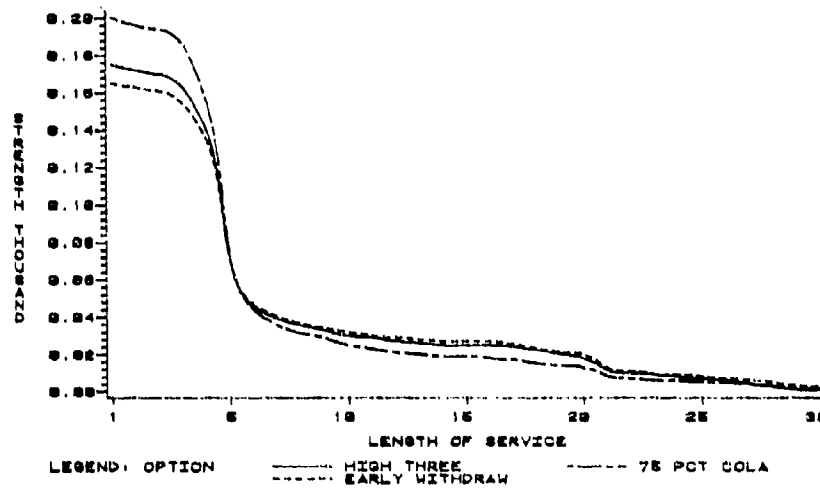


Figure N-11.D.1 (Cont)

FORCE STRUCTURE

USAF OFFICER
OCCUPATION: LEGAL



SURVIVAL RATES

USAF OFFICER
OCCUPATION: LEGAL

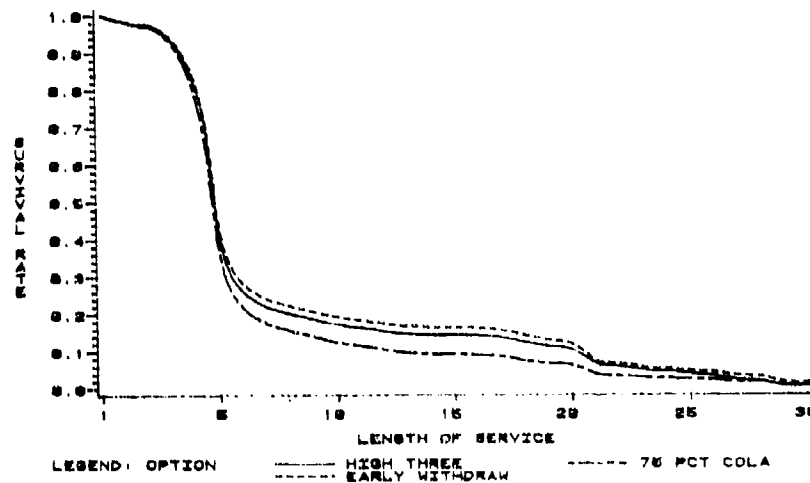
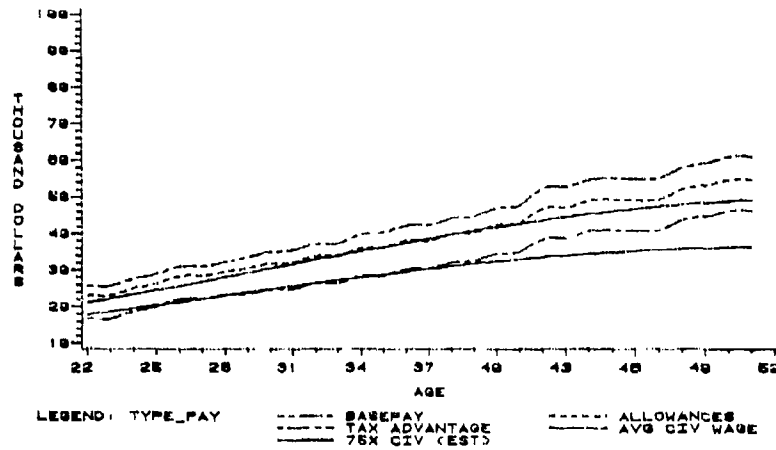


Figure N-II.D.2
USAF Chaplain

MILITARY PAYS VS CIVILIAN WAGES

USAF OFFICER
OCCUPATION: CHAPLAIN



ANNUALIZED COST OF LEAVING

USAF OFFICER
OCCUPATION: CHAPLAIN

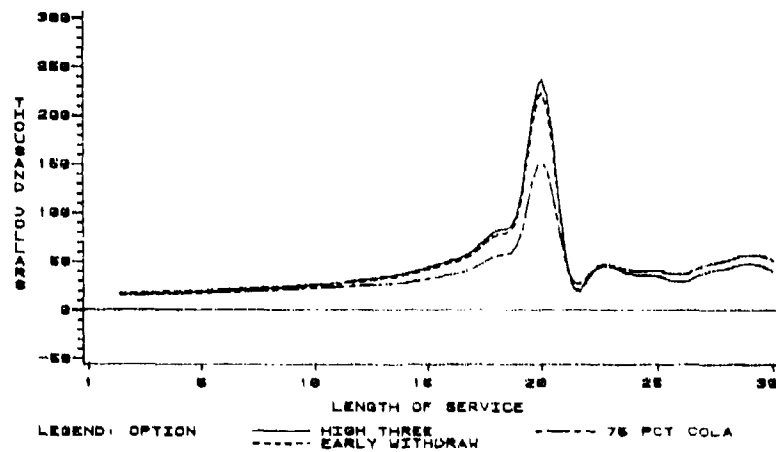
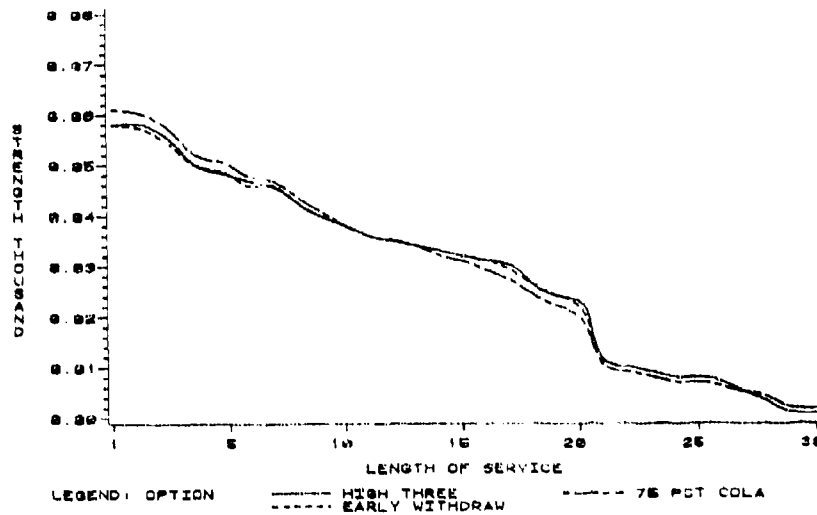


Figure N-II.D.2 (Cont)

FORCE STRUCTURE

USAF OFFICER
OCCUPATION: CHAPLAIN



SURVIVAL RATES

USAF OFFICER
OCCUPATION: CHAPLAIN

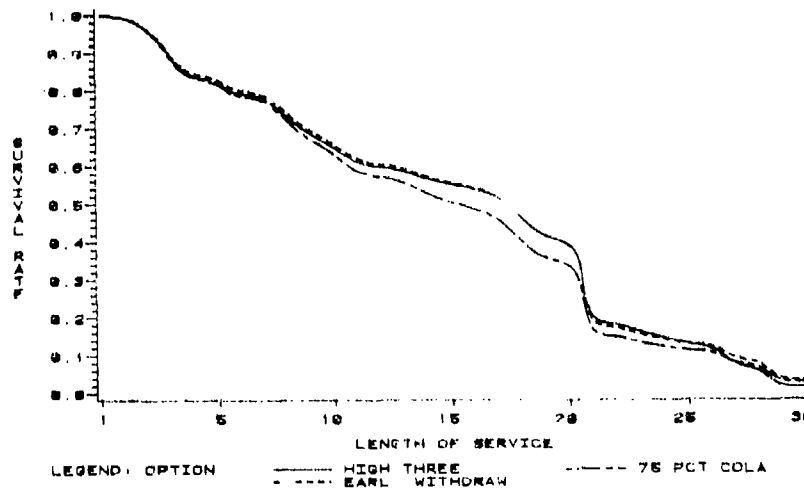
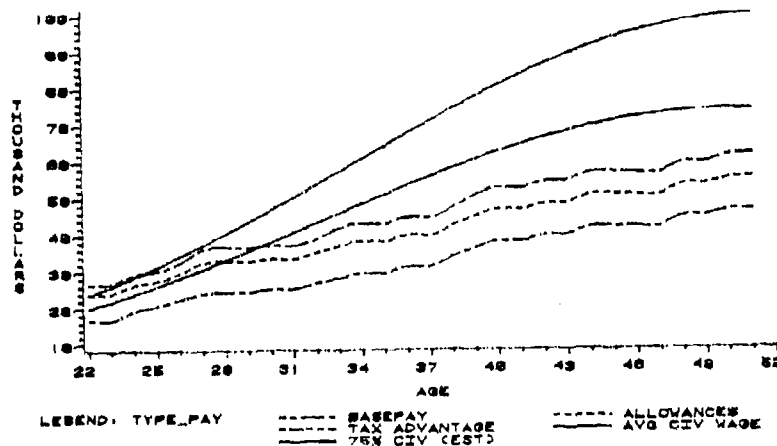


Figure N-II.D.3
USAF Physician

MILITARY PAYS VS CIVILIAN WAGES

USAF OFFICER
OCCUPATION: DOCTORS



ANNUALIZED COST OF LEAVING

USAF OFFICER
OCCUPATION: DOCTORS

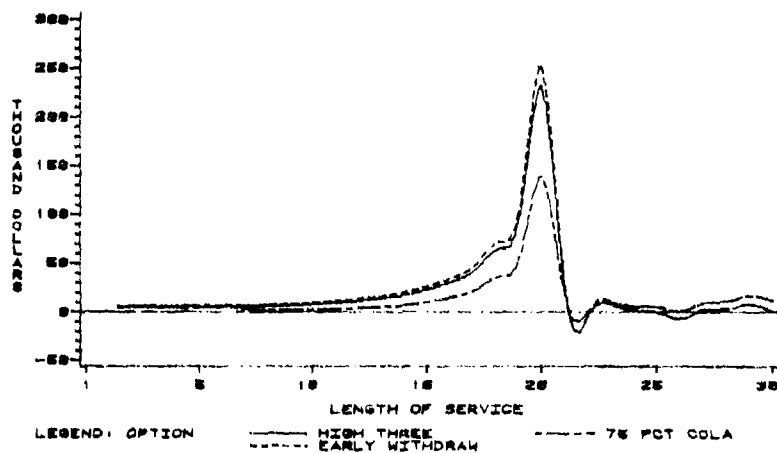
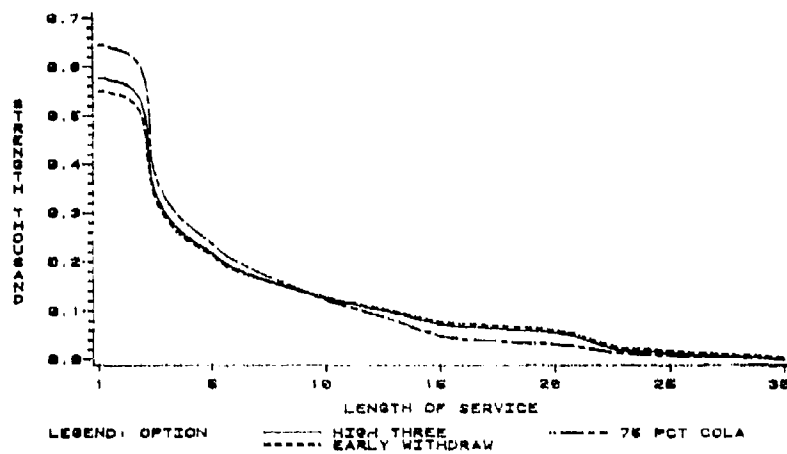


Figure N-11.D.3 (Cont)

FORCE STRUCTURE

USAF OFFICER
OCCUPATION: DOCTORS



SURVIVAL RATES

USAF OFFICER
OCCUPATION: DOCTORS

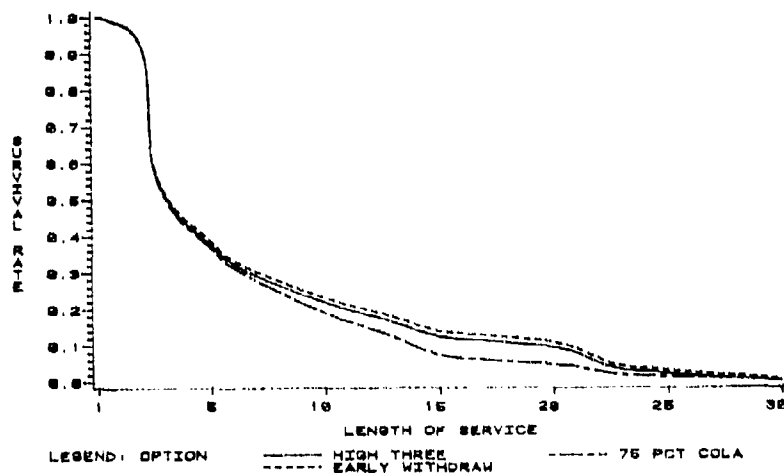
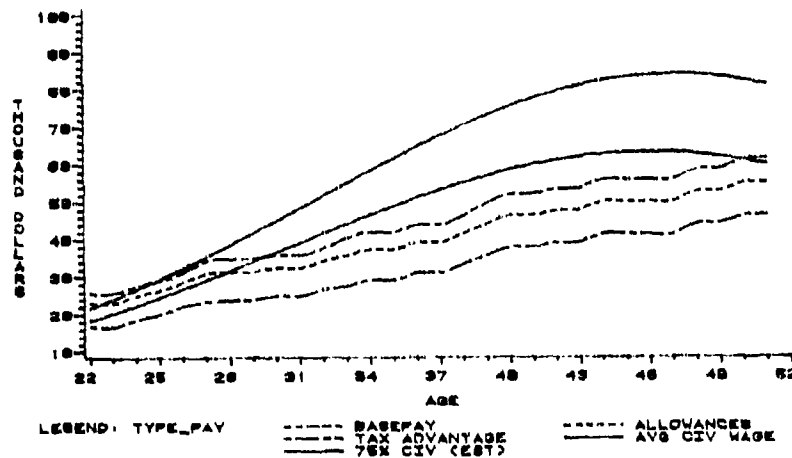


Figure N-II.D.4
USAF Dentist

MILITARY PAYS VS CIVILIAN WAGES

USAF OFFICER
OCCUPATION: DENTISTS



ANNUALIZED COST OF LEAVING

USAF OFFICER
OCCUPATION: DENTISTS

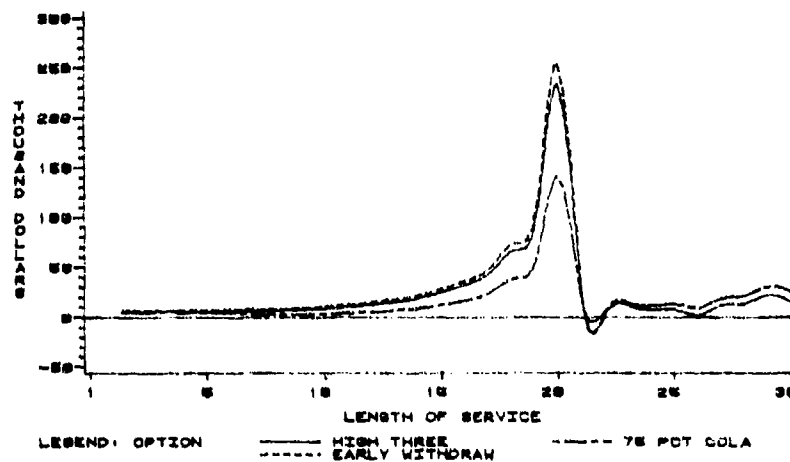
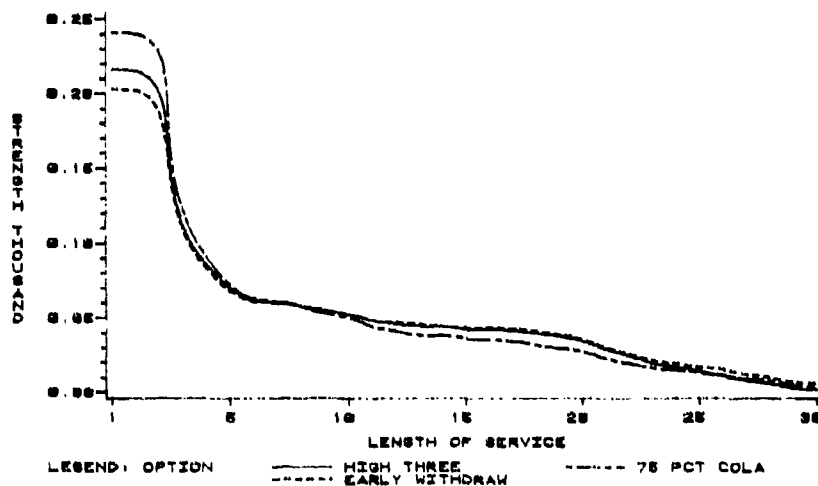


Figure N-II.D.4 (Cont)

FORCE STRUCTURE

USAF OFFICER
OCCUPATION: DENTISTS



SURVIVAL RATES

USAF OFFICER
OCCUPATION: DENTISTS

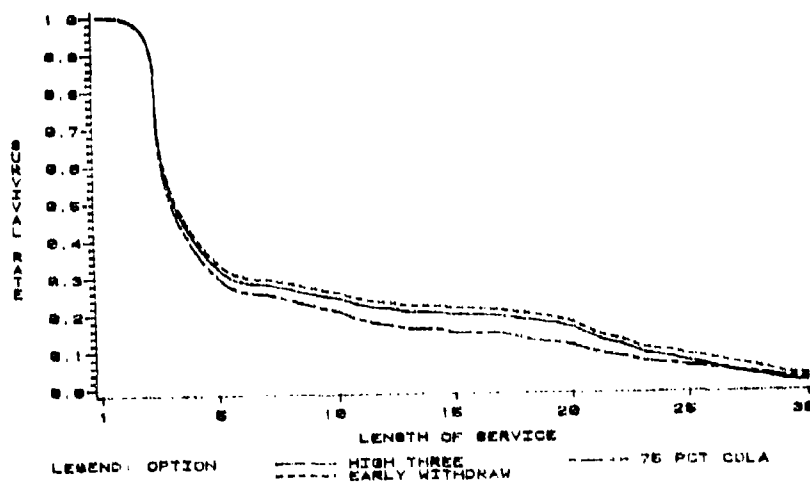
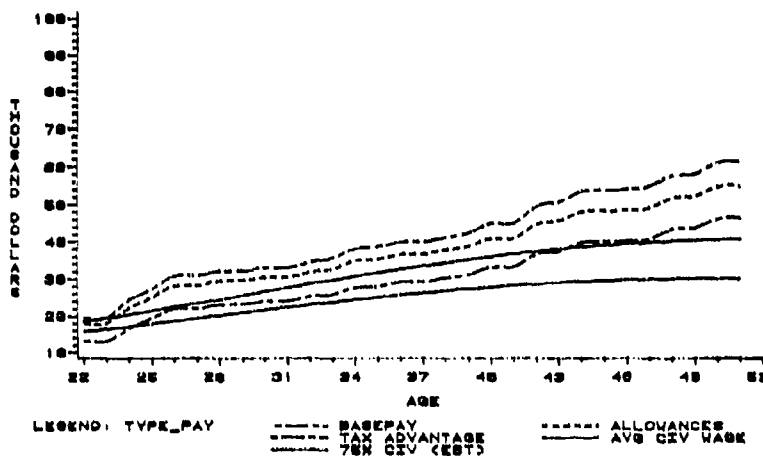


Figure N-II.D.5
USAF Nurse

MILITARY PAYS VS CIVILIAN WAGES

USAF OFFICER
OCCUPATION: NURSES



ANNUALIZED COST OF LEAVING

USAF OFFICER
OCCUPATION: NURSES

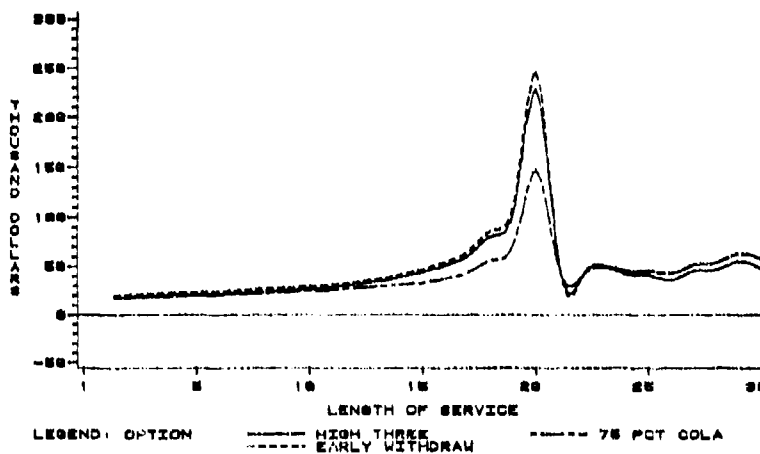
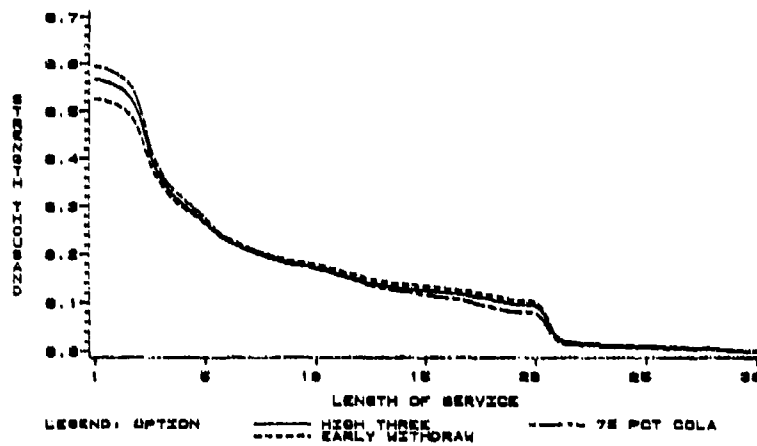


Figure N-II.D.5 (Cont)

FORCE STRUCTURE

USAF OFFICER
OCCUPATION: NURSES



SURVIVAL RATES

USAF OFFICER
OCCUPATION: NURSES

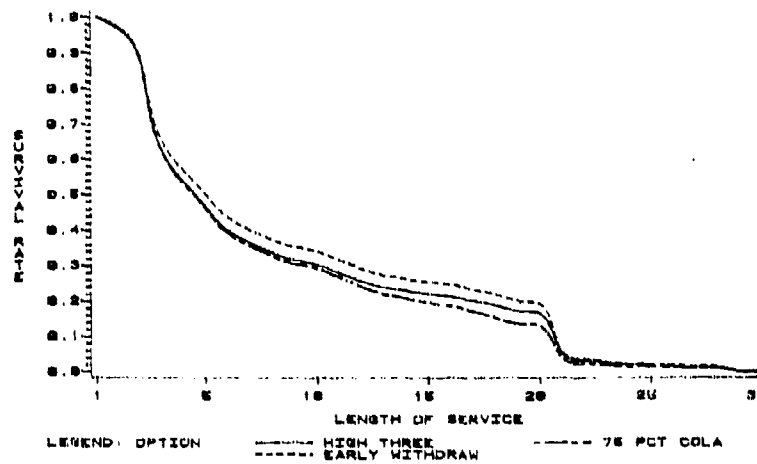
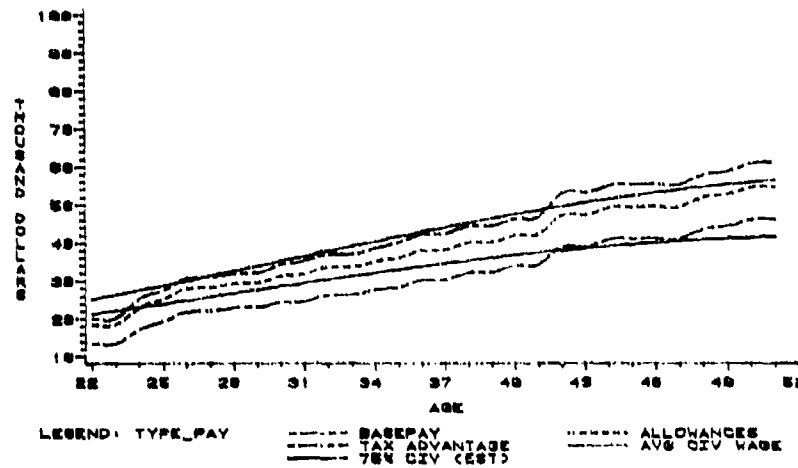


Figure N-II.D.6
USAF Medical Service

MILITARY PAYS VS CIVILIAN WAGES

USAF OFFICER
OCCUPATION: MED-SRVC



ANNUALIZED COST OF LEAVING

USAF OFFICER
OCCUPATION: MED-SRVC

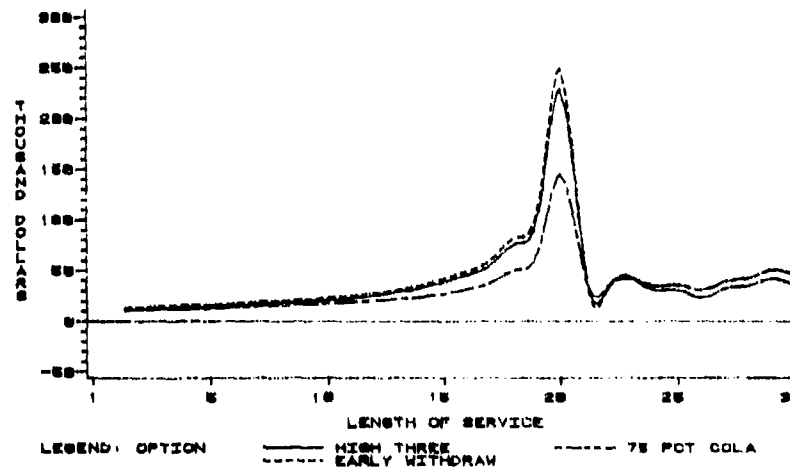
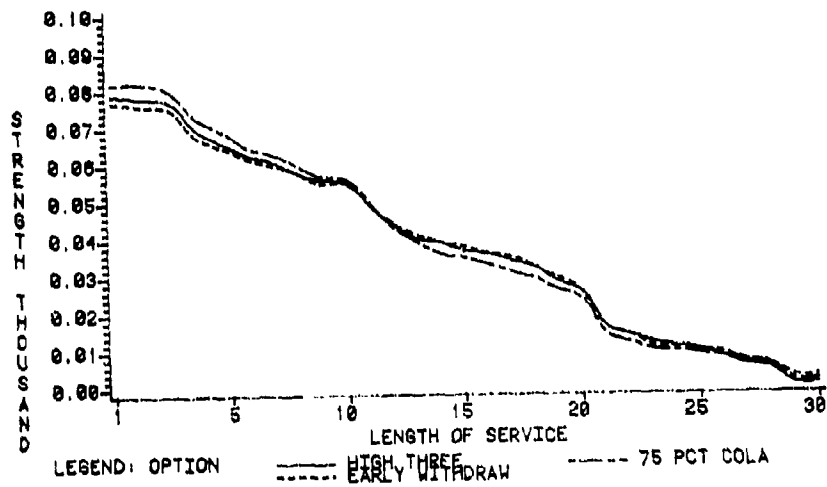


Figure N-II.D.6 (Cont)

FORCE STRUCTURE

USAF OFFICER
OCCUPATION: MED-SRVC



SURVIVAL RATES

USAF OFFICER
OCCUPATION: MED-SRVC

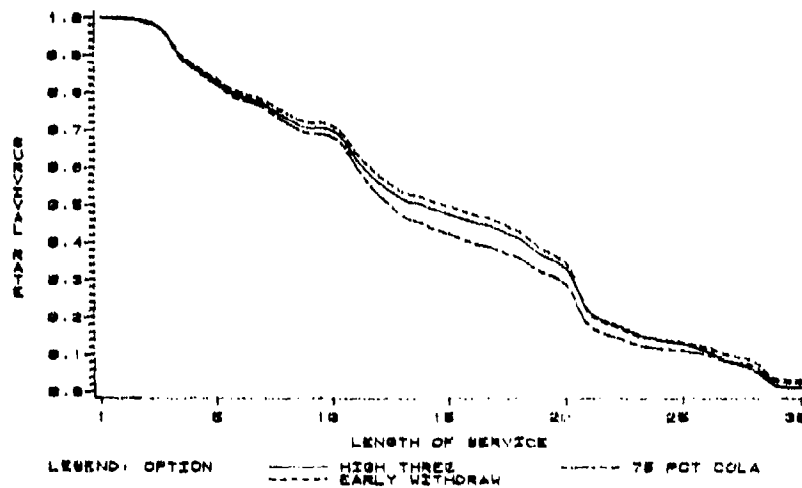
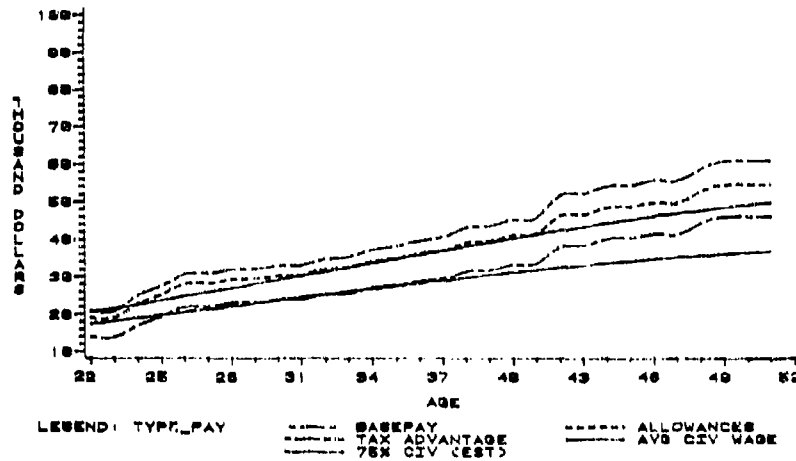


Figure N-II.D.7
USAF Bio-Medical Service

MILITARY PAYS VS CIVILIAN WAGES

USAF OFFICER
OCCUPATION: BIOMED



ANNUALIZED COST OF LEAVING

USAF OFFICER
OCCUPATION: BIOMED

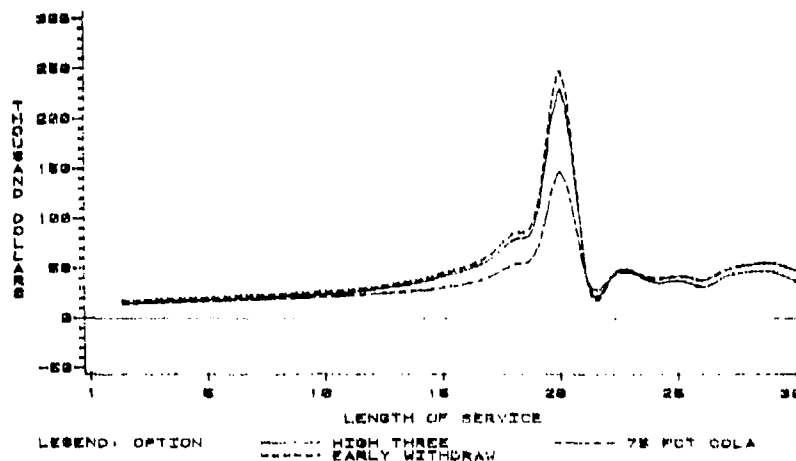
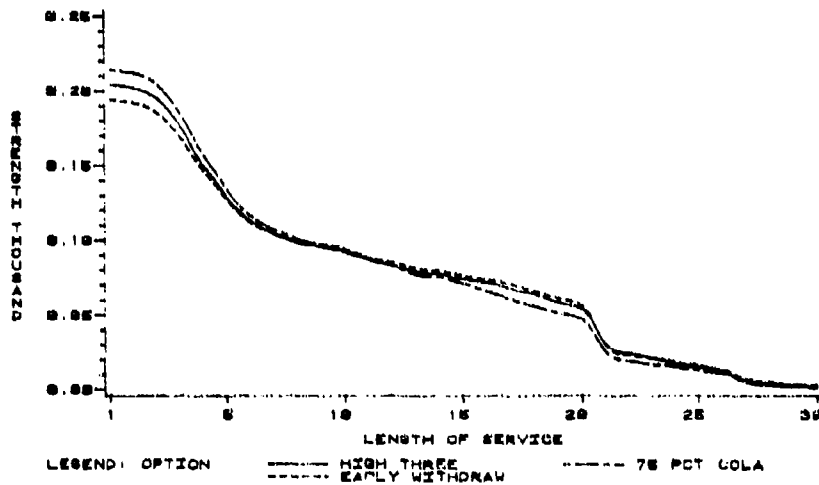


Figure N-II.D.7 (Cont)

FORCE STRUCTURE

USAF OFFICER
OCCUPATION: BIOMED



SURVIVAL RATES

USAF OFFICER
OCCUPATION: BIOMED

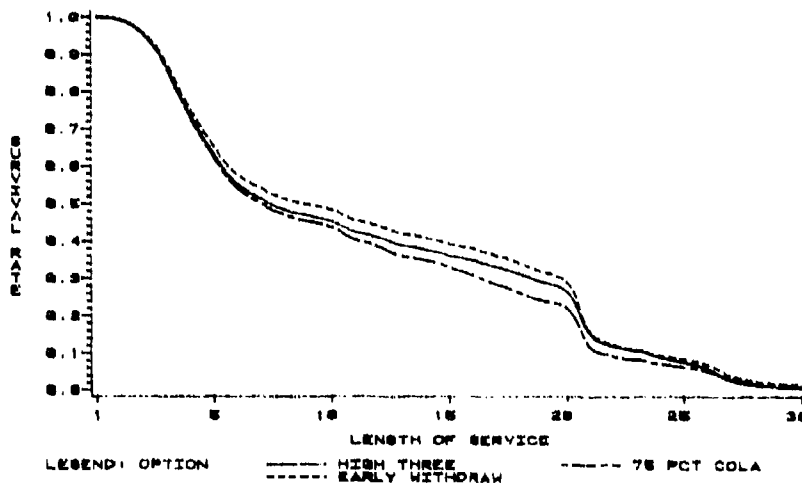
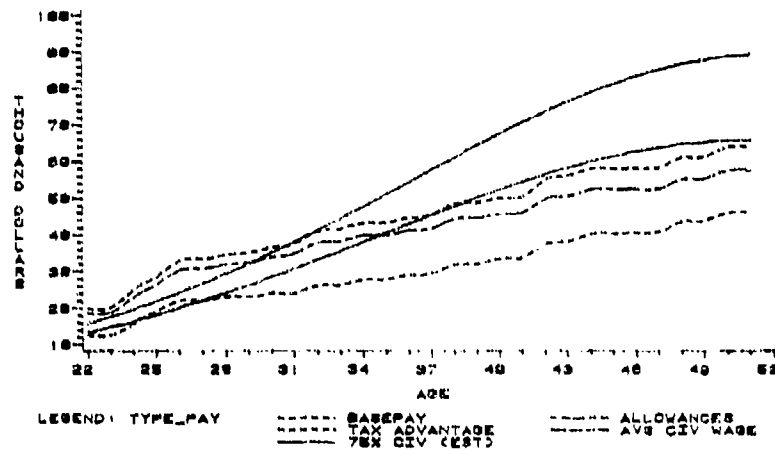


Figure N-II.D.8
USAF Pilot

MILITARY PAYS VS CIVILIAN WAGES

USAF OFFICER
OCCUPATION: PILOTS



ANNUALIZED COST OF LEAVING

USAF OFFICER
OCCUPATION: PILOTS

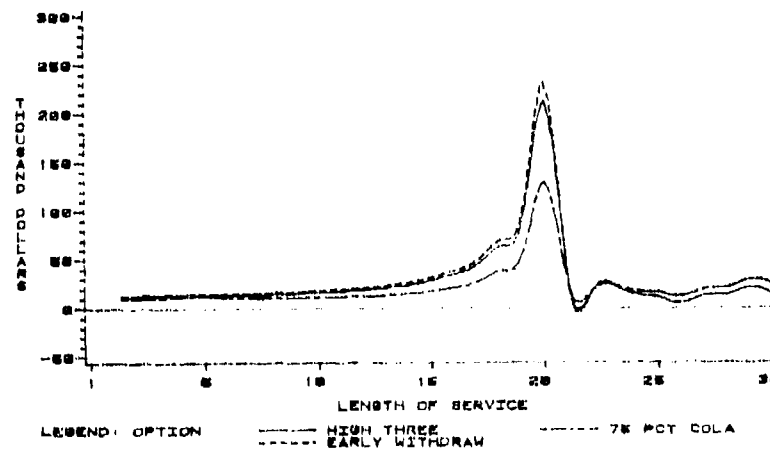
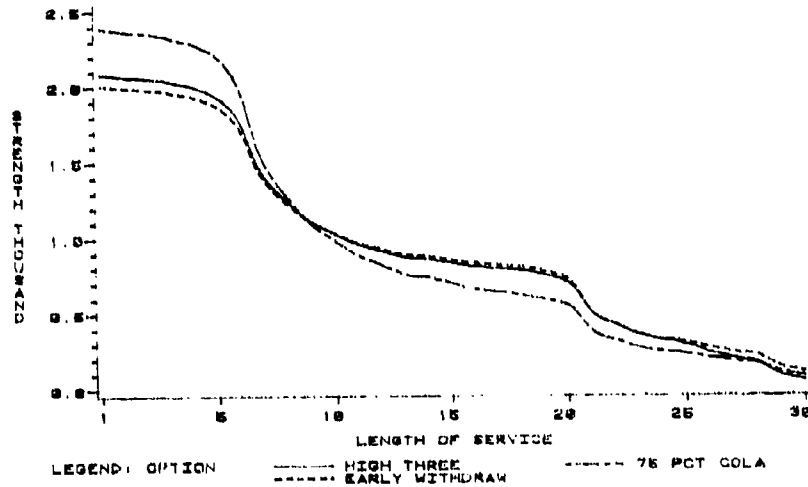


Figure N-II.D.8 (Cont)

FORCE STRUCTURE

USAF OFFICER
OCCUPATION: PILOTS



SURVIVAL RATES

USAF OFFICER
OCCUPATION: PILOTS

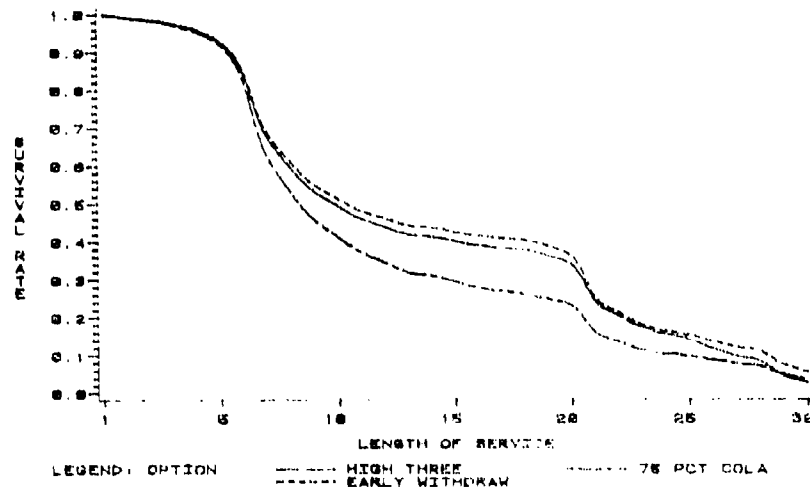
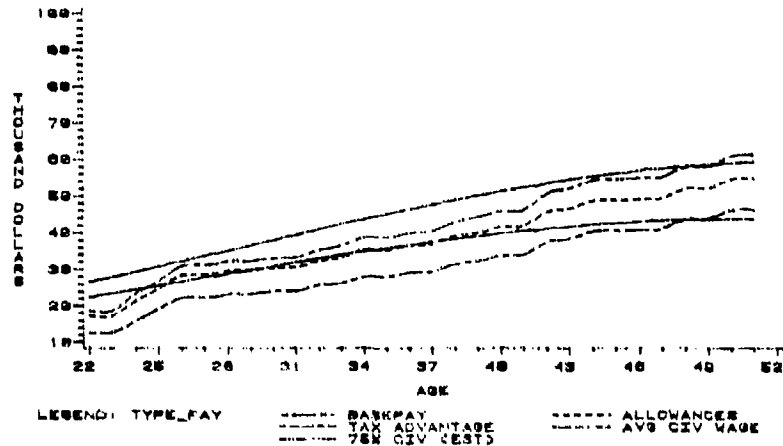


Figure N-II.D.9
USAF Navigator

MILITARY PAYS VS CIVILIAN WAGES

USAF OFFICER
OCCUPATION: NAV-NFO



ANNUALIZED COST OF LEAVING

USAF OFFICER
OCCUPATION: NAV-NFO

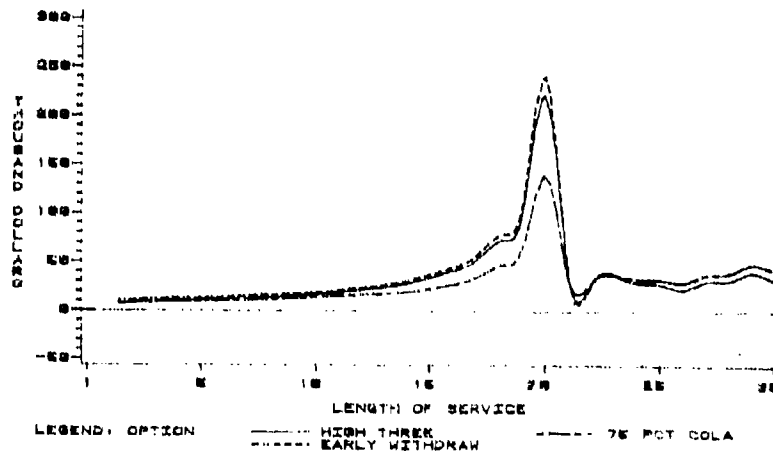
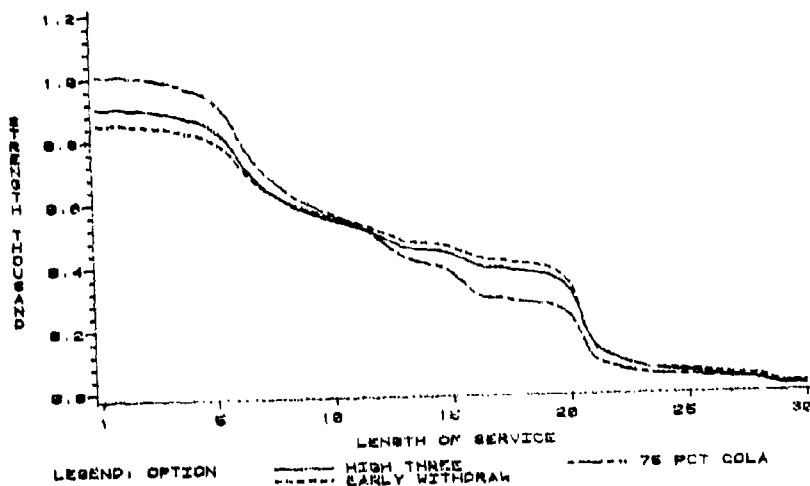


Figure N-11.D.9 (Cont)

FORCE STRUCTURE

USAF OFFICER
OCCUPATION: NAV-NFO



SURVIVAL RATES

USAF OFFICER
OCCUPATION: NAV-NFO

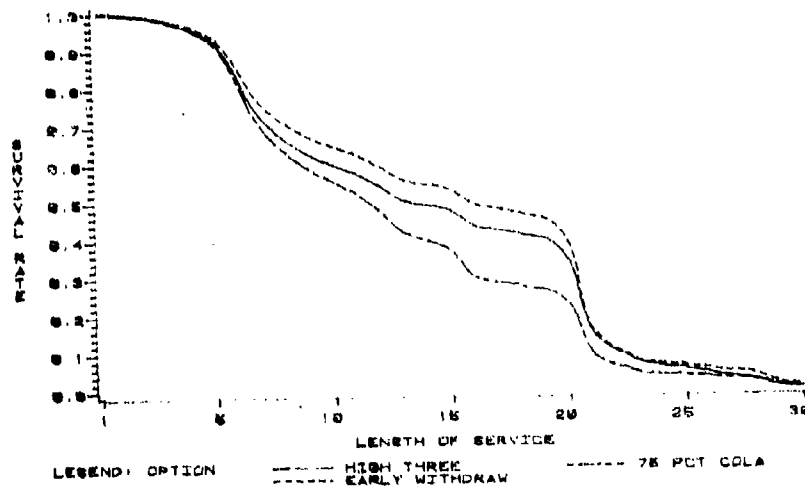
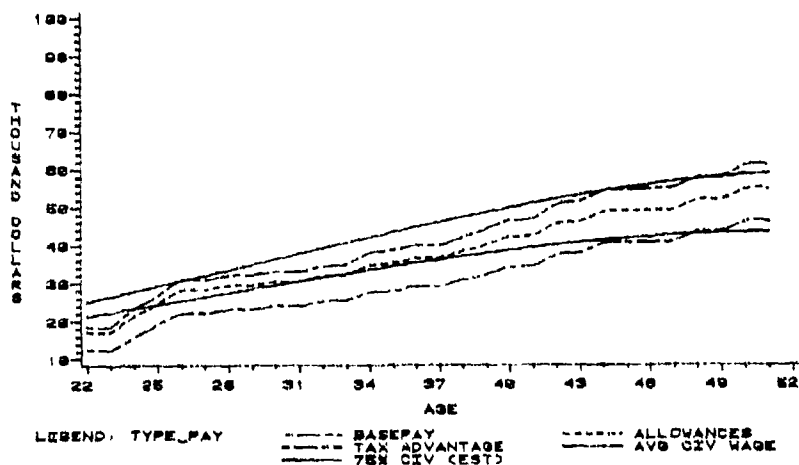


Figure N-II.D.10
USAF Technical

MILITARY PAYS VS CIVILIAN WAGES

USAF OFFICER
OCCUPATION: SCI-ENG



ANNUALIZED COST OF LEAVING

USAF OFFICER
OCCUPATION: SCI-ENG

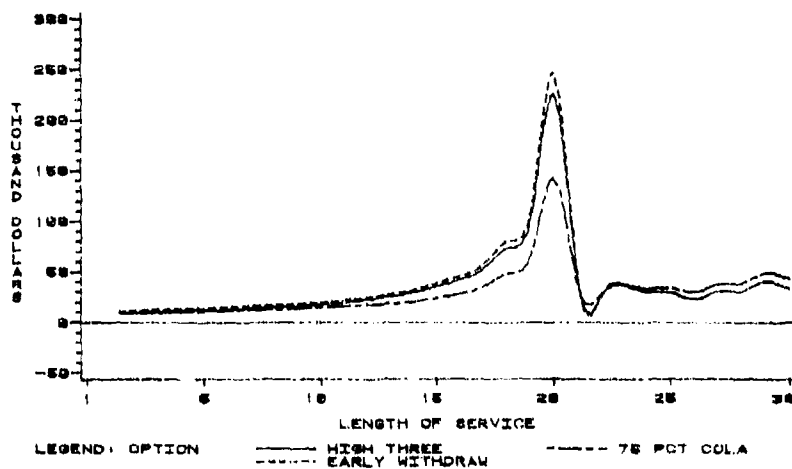
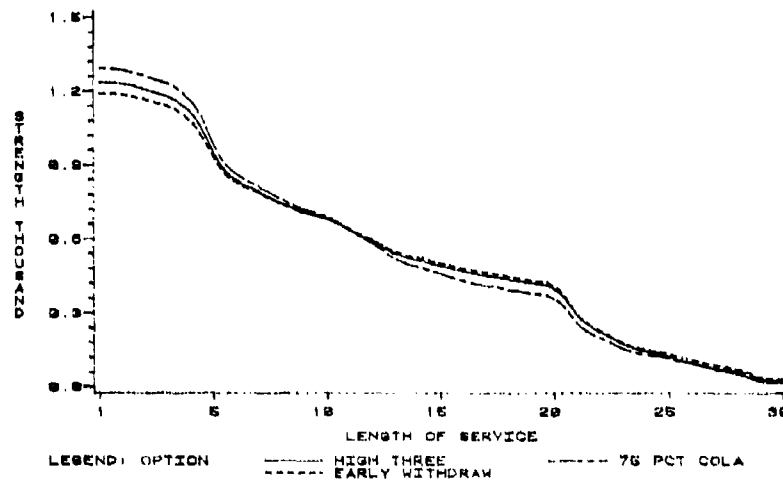


Figure N-11.D.10 (Cont)

FORCE STRUCTURE

USAF OFFICER
OCCUPATION: SCI-ENG



SURVIVAL RATES

USAF OFFICER
OCCUPATION: SCI-ENG

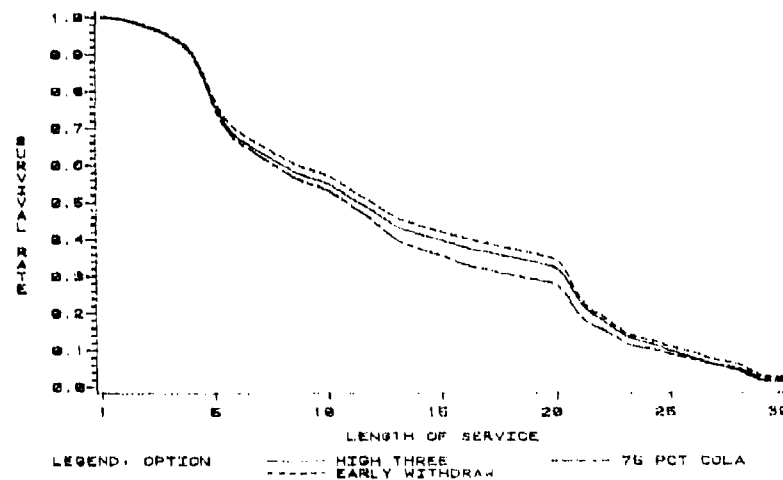
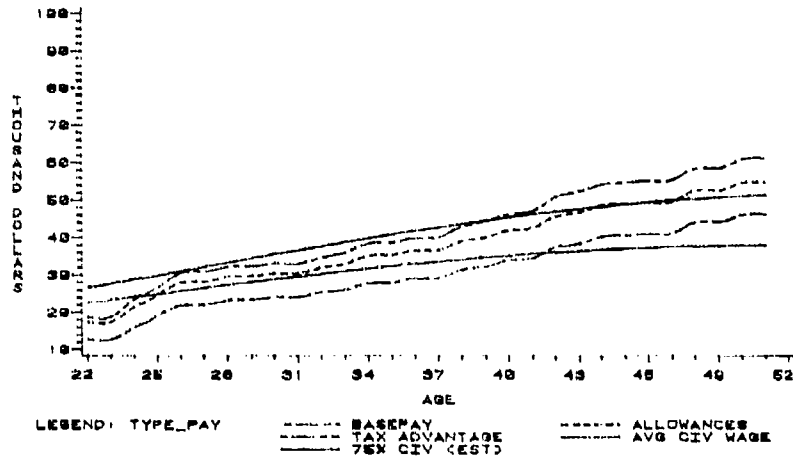


Figure N-II.D.11
USAF Support

MILITARY PAYS VS CIVILIAN WAGES

USAF OFFICER
OCCUPATION: SUPPORT



ANNUALIZED COST OF LEAVING

USAF OFFICER
OCCUPATION: SUPPORT

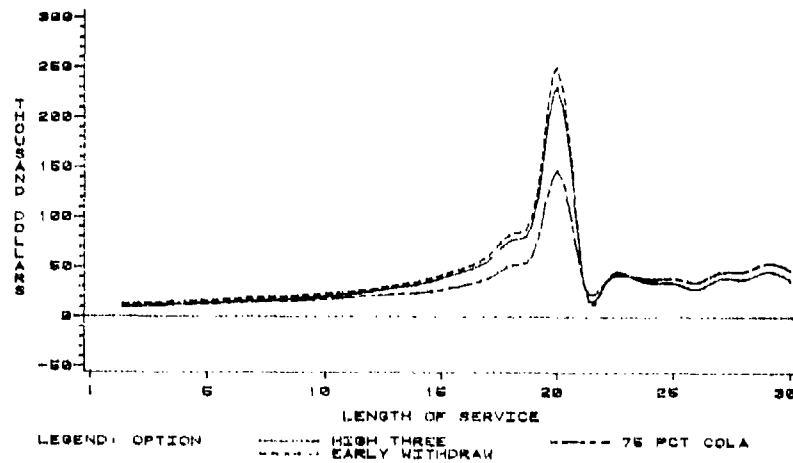
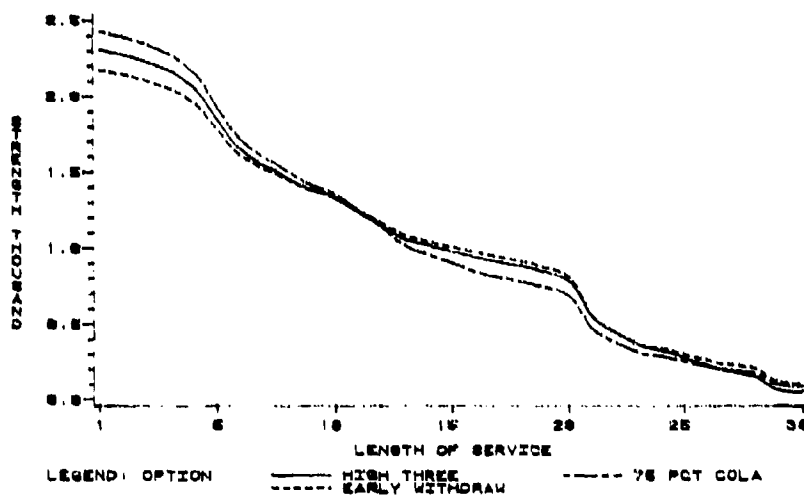


Figure N-II.D.11 (Cont)

FORCE STRUCTURE

USAF OFFICER
OCCUPATION: SUPPORT



SURVIVAL RATES

USAF OFFICER
OCCUPATION: SUPPORT

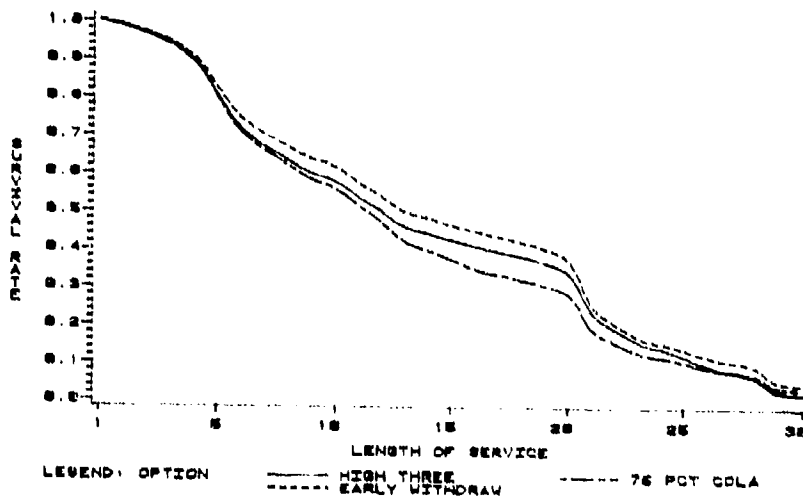
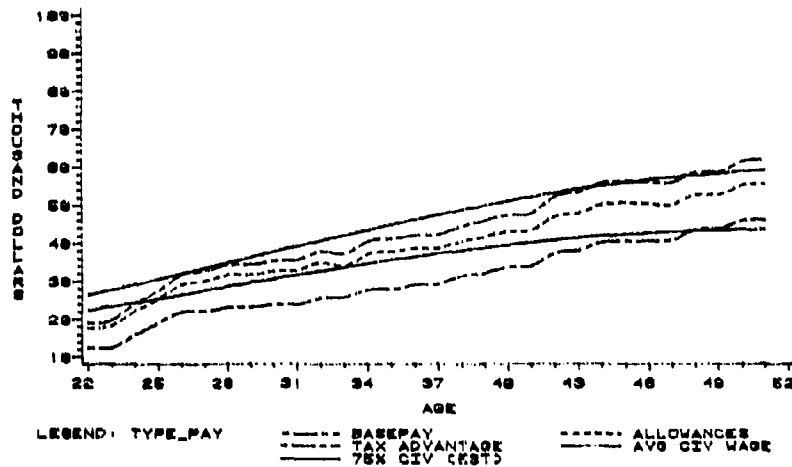


Figure N-II.D.12
USAF Total Officer

MILITARY PAYS VS CIVILIAN WAGES

USAF OFFICER
OCCUPATION: TOTAL



ANNUALIZED COST OF LEAVING

USAF OFFICER
OCCUPATION: TOTAL

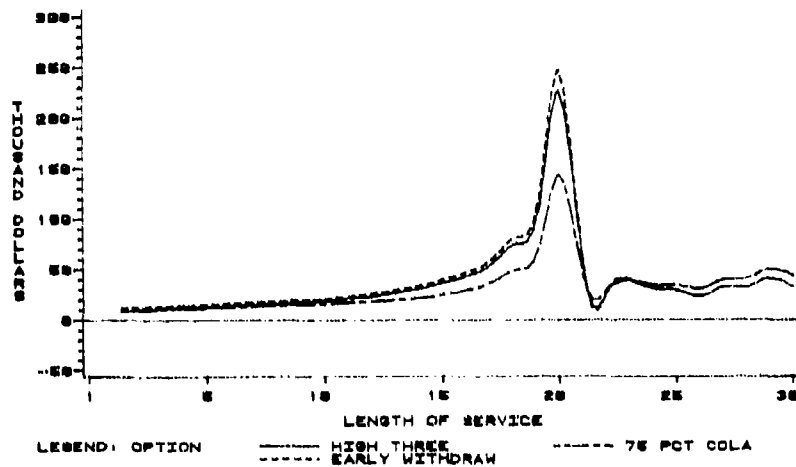
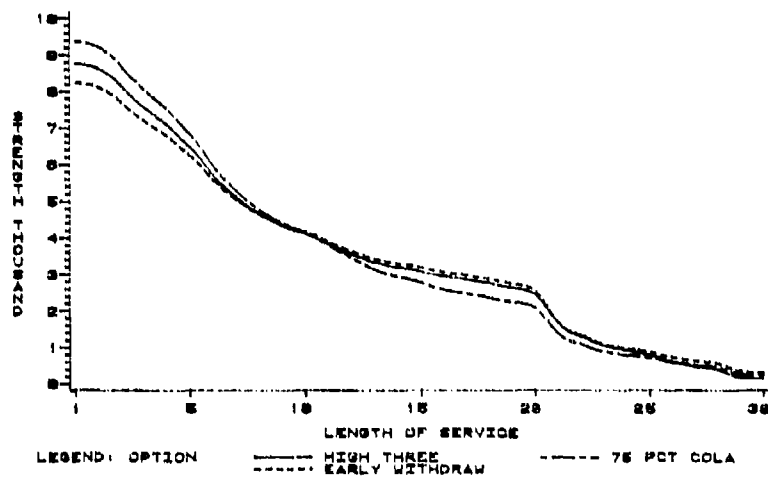


Figure N-II.D.12 (Cont)

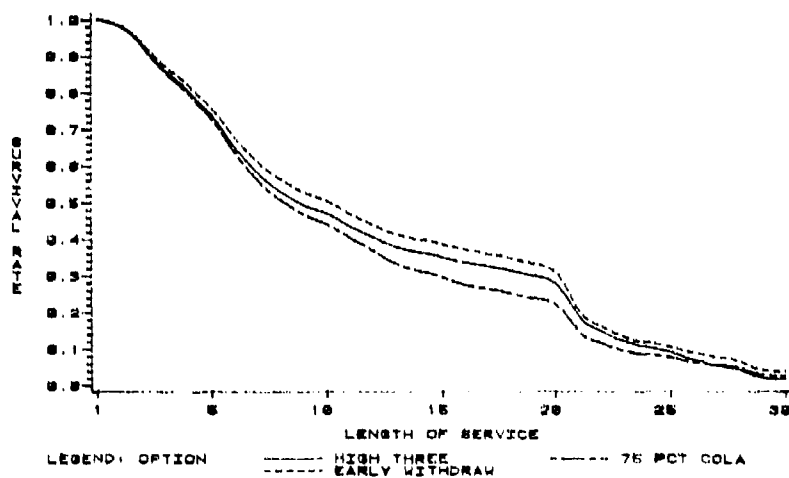
FORCE STRUCTURE

USAF OFFICER
OCCUPATION: TOTAL



SURVIVAL RATES

USAF OFFICER
OCCUPATION: TOTAL



111. ENLISTED OCCUPATIONAL GROUPS BY SERVICE.

A. ARMY ENLISTED OCCUPATIONAL GROUP DEFINITION.

1. Occupation: Infantry, Gun Crews and Seamanship Specialists (Enlisted)

ORMC Category 126 DOD Occupation Codes: 01-04,06

This occupational category includes the following subcategories: infantry, armor, combat engineering, artillery/gunnery, rockets, missile and small boat operations. The current objective endstrength for this category is 171189 which is 25% of total current objective enlisted endstrength.

2. Occupation: Electronic Equipment Repair (Enlisted)

ORMC Category 127 DOD Occupation Codes: 10-12, 14-16, 19

This occupational category includes the following subcategories: radio/radar, fire control electronic systems (non-missile), missile guidance, control and checkout, nuclear weapons equipment, ADP computers, teletype, cryptographic and other electronic equipment. The current objective endstrength for this category is 37779 which is 6% of total current objective enlisted endstrength.

3. Occupation: Communications and Intelligence (Enlisted)

ORMC Category 128 DOD Occupation Codes: 20,22-26

This occupational category includes the following subcategories: radio and radio code, radar and air traffic control, signal intelligence/electronic warfare, intelligence, combat operations control and communications center operations. The current objective endstrength for this category is 83139 which is 12% of total current objective enlisted endstrength.

4. Occupation: Medical and Dental (Enlisted)

ORMC Category 129 DOD Occupation Codes: 30-33

This occupational category includes the following subcategories: medical care, technical and related medical services and dental care. The current objective endstrength for this category is 40521 which is 6% of total current objective enlisted endstrength.

5. Occupation: Other Technical Specialist (Enlisted)

ORMC Category 130 DOD Occupation Codes: 40-43, 45,49

This occupational category includes the following subcategories: photography, mapping, surveying, drafting, illustrating, weather, ordnance disposal, diving, music and other technical specialties. The current objective endstrength for this category is 17835 which is 3% of total current objective enlisted endstrength.

6. Occupation: Functional Support Administration (Enlisted)

ORMC Category 131 DOD Occupation Codes: 50-57



This occupational category includes the following subcategories: personnel, administration, clerical, data processing, accounting, finance, disbursing, religious, morale, welfare, information, education and other functional support. The current objective endstrength for this category is 119410 which is 18% of total current objective enlisted endstrength.

7. Occupation: Electrical/Mechanical Equipment Repair (Enlisted)
QRMC Category 132 DoD Occupation Codes: 60-67, 69

This occupational category includes the following subcategories of equipment repair: aircraft, aircraft-related, automotive, wire communications, missile mechanical and electrical, armament, munitions, shipboard propulsion, power generation, precision and other mechanical and electrical. The current objective endstrength for this category is 108758 which is 16% of total current objective enlisted endstrength.

8. Occupation: Craftsmen (Enlisted)
QRMC Category 133 DoD Occupation Codes: 70-72, 74, 76

This occupational category includes the following subcategories: metalworking, construction, utilities, lithography and fabric repair. The current objective endstrength for this category is 17191 which is 2% of total current objective enlisted endstrength.

9. Occupation: Service and Supply Handlers (Enlisted)
QRMC Category 134 DoD Occupation Codes: 80-84, 86

This occupational category includes the following subcategories: food service, motor transport, materiel receipt, storage and issue, law enforcement, personal service and forward area equipment support. The current objective endstrength for this category is 81540 which is 12% of total current objective enlisted endstrength.

10. Occupation: Non-Occupational (Enlisted)
QRMC Category 135 DoD Occupation Codes: 90-95

This occupational category includes the following subcategories: officer candidates, special duty assignees, and students undergoing training or military occupational specialty reclassification.

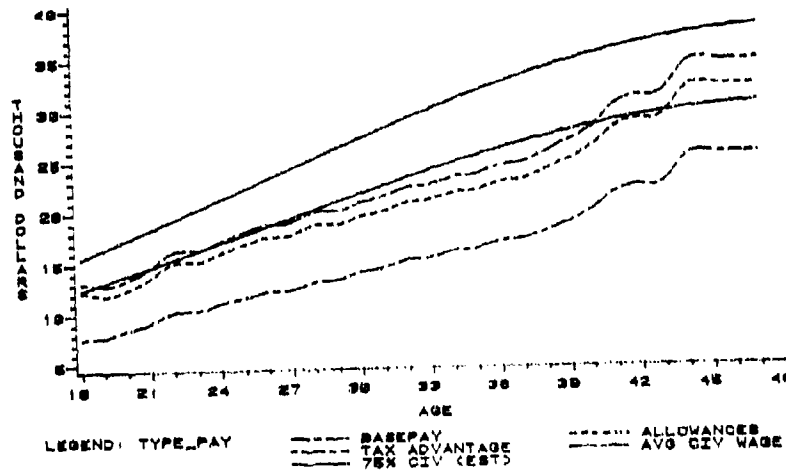
List of Figures (Army Enlisted)

| | | |
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| N-III.A. | 1. | Army Infantry |
| N-III.A. | 2. | Army Electronic Equipment Repair |
| N-III.A. | 3. | Army Communications and Intelligence |
| N-III.A. | 4. | Army Medical and Dental |
| N-III.A. | 5. | Army Other Technical Specialist |
| N-III.A. | 6. | Army Functional Support Administration |
| N-III.A. | 7. | Army Electrical/Mechanical Equipment Repair |
| N-III.A. | 8. | Army Craftsman |
| N-III.A. | 9. | Army Service and Supply Handlers |
| N-III.A. | 10. | Army Non-Occupational Students |
| N-III.A. | 11. | Army Total Enlisted |

Figure N-III.A.1
Army Infantry

MILITARY PAYS VS CIVILIAN WAGES

ARMY ENLISTED
OCCUPATION: INFANTRY



ANNUALIZED COST OF LEAVING

ARMY ENLISTED
OCCUPATION: INFANTRY

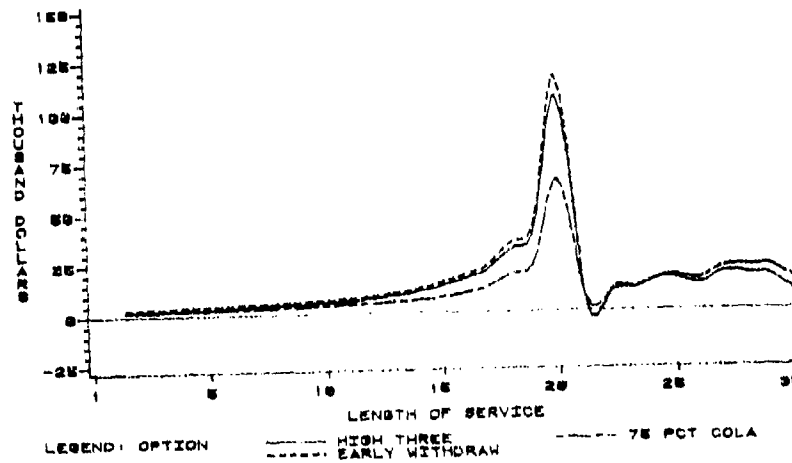
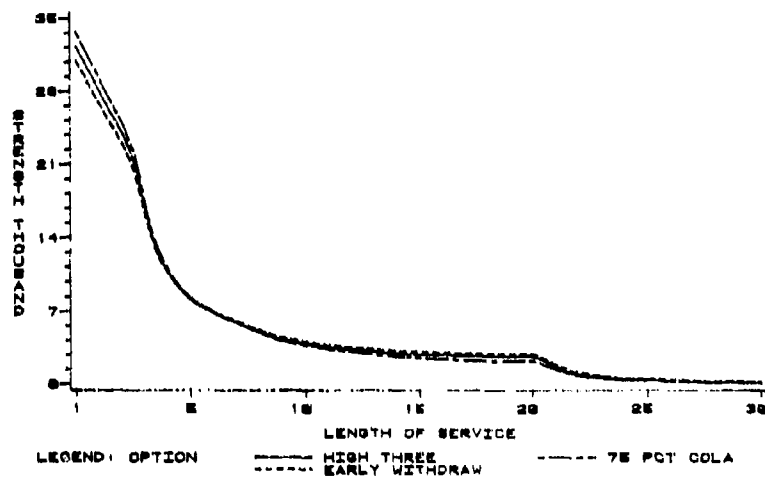


Figure N-III.A.1 (Cont)

FORCE STRUCTURE

ARMY ENLISTED
OCCUPATION: INFANTRY



SURVIVAL RATES

ARMY ENLISTED
OCCUPATION: INFANTRY

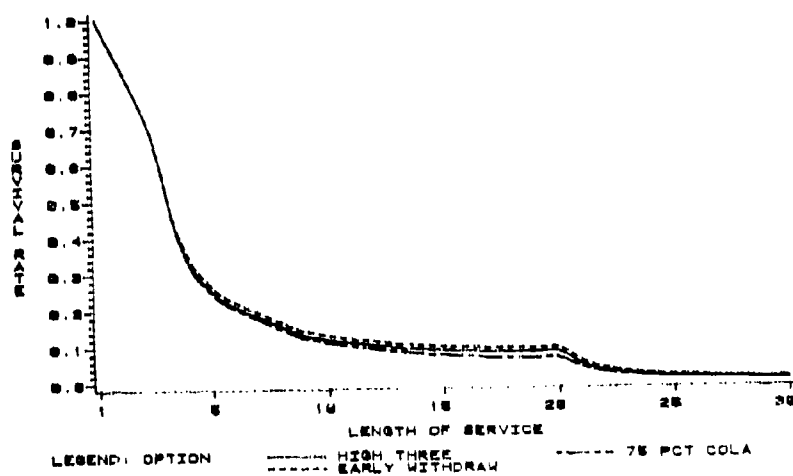
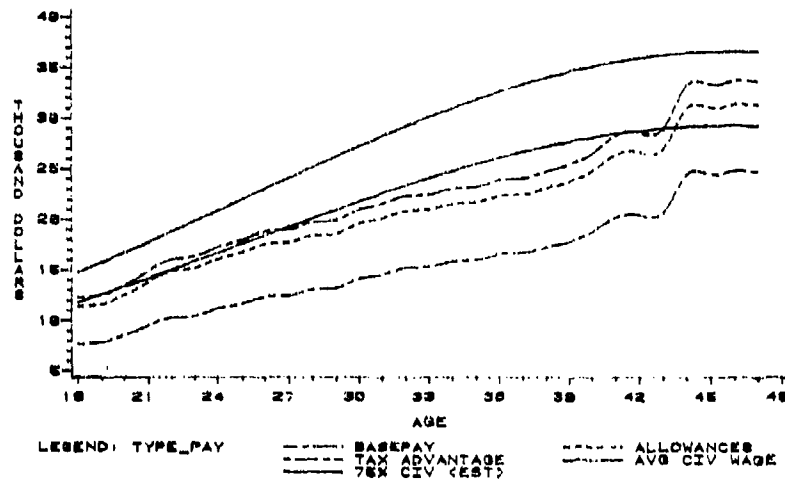


Figure N-III.A.2
Army Electronic Equipment Repair

MILITARY PAYS VS CIVILIAN WAGES

ARMY ENLISTED
OCCUPATION: ELEC-RPR



ANNUALIZED COST OF LEAVING

ARMY ENLISTED
OCCUPATION: ELEC-RPR

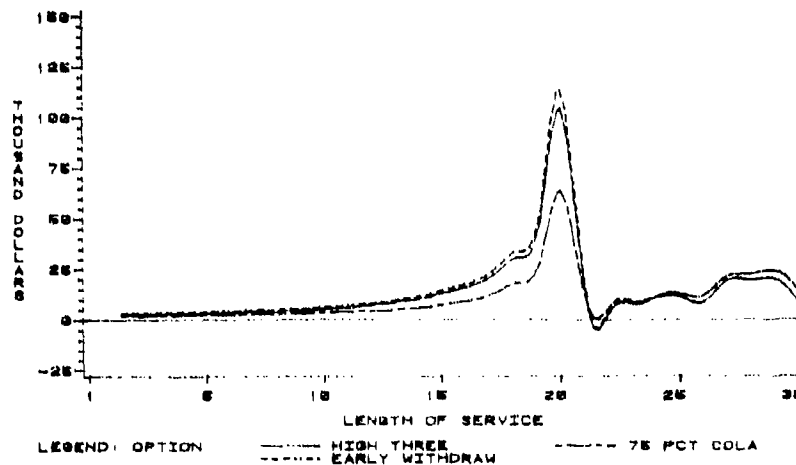
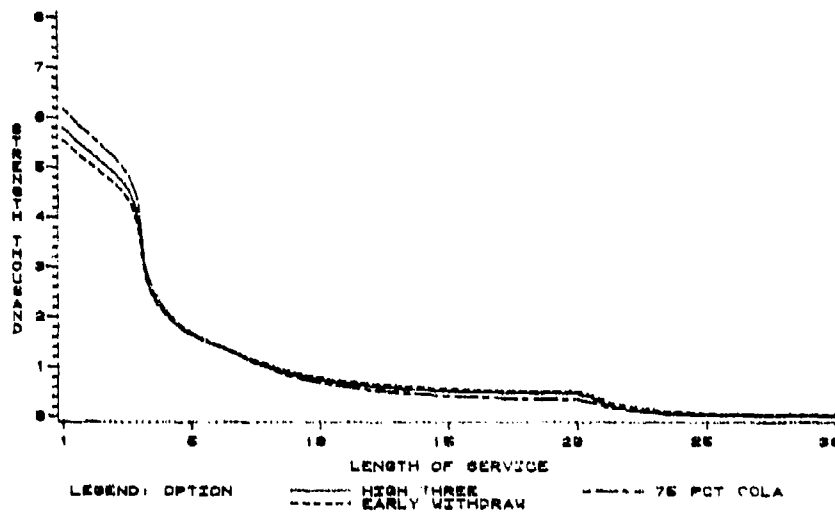


Figure N-III.A.2 (Cont)

FORCE STRUCTURE

ARMY ENLISTED
OCCUPATION: ELEC-RPR



SURVIVAL RATES

ARMY ENLISTED
OCCUPATION: ELEC-RPR

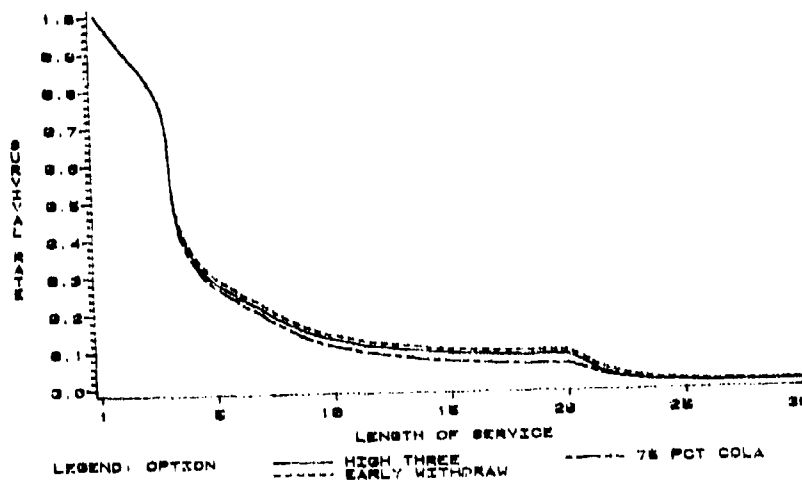
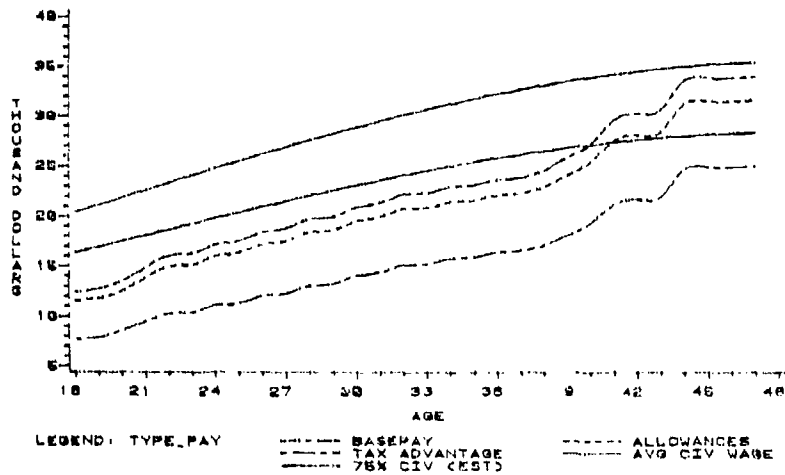


Figure N-III.A.3
Army Communications and Intelligence

MILITARY PAYS VS CIVILIAN WAGES

ARMY ENLISTED
OCCUPATION: COM-INTL



ANNUALIZED COST OF LEAVING

ARMY ENLISTED
OCCUPATION: COM-INTL

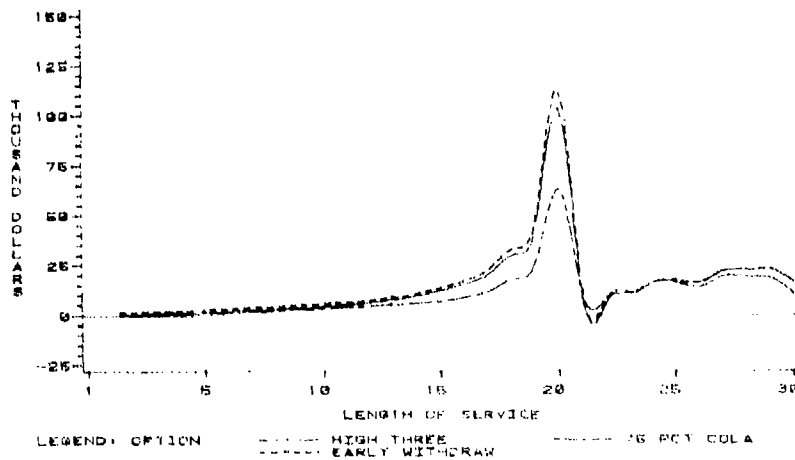
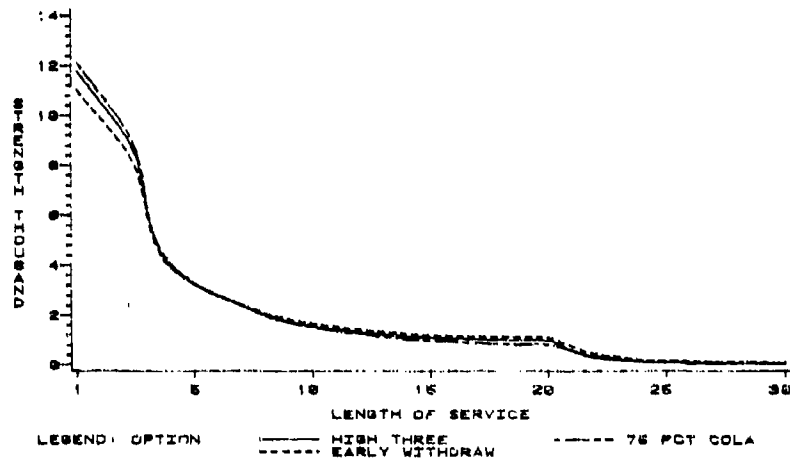


Figure N-III.A.3 (Cont)

FORCE STRUCTURE

ARMY ENLISTED
OCCUPATION: COM-INTL



SURVIVAL RATES

ARMY ENLISTED
OCCUPATION: COM-INTL

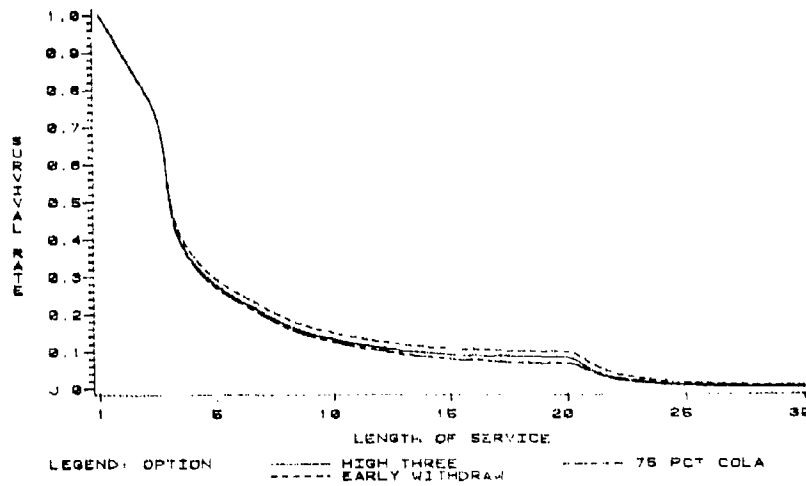
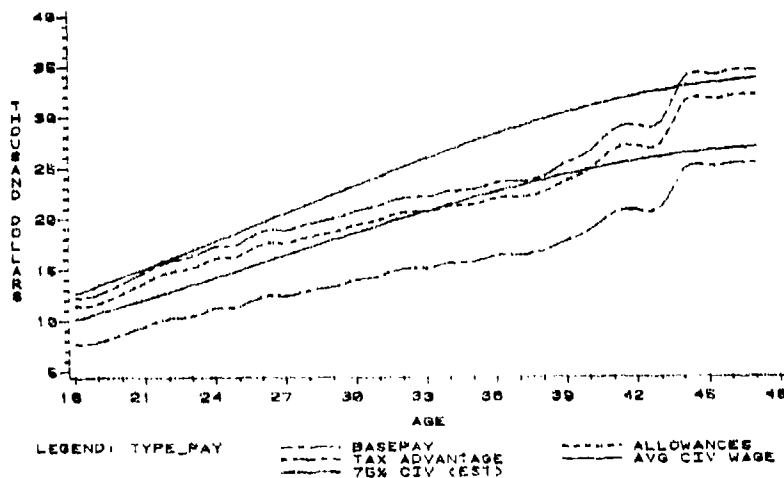


Figure N-III.A.4
Army Medical and Dental

MILITARY PAYS VS CIVILIAN WAGES

ARMY ENLISTED
OCCUPATION: MEDICAL



ANNUALIZED COST OF LEAVING

ARMY ENLISTED
OCCUPATION: MEDICAL

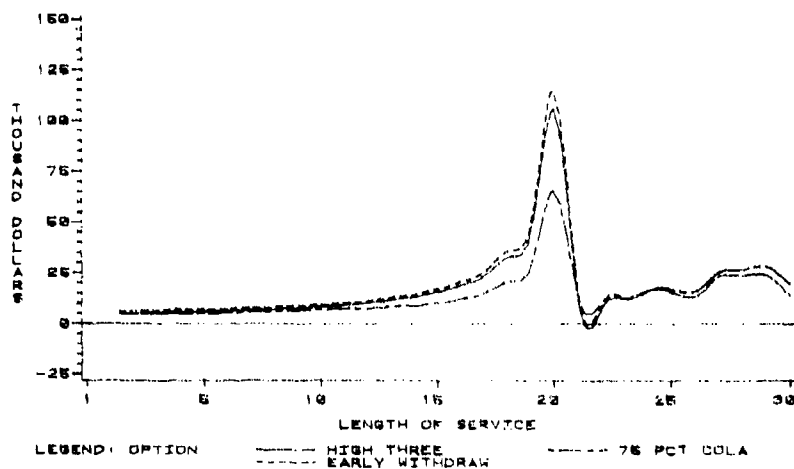
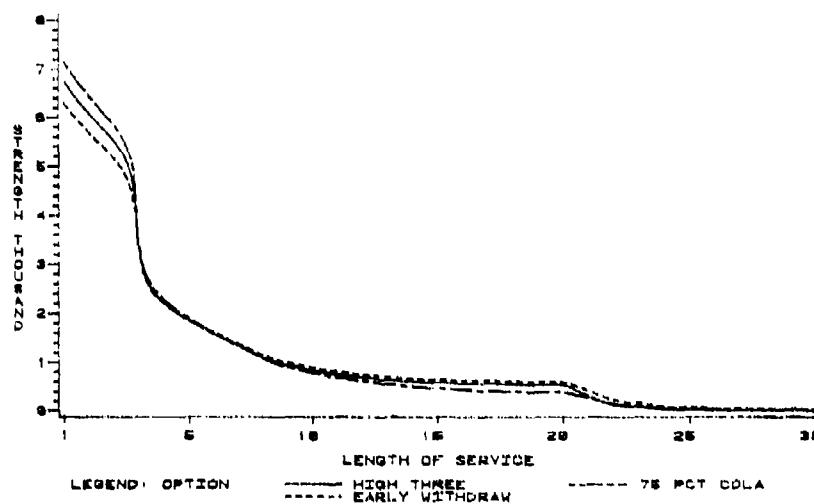


Figure N-III.A.4 (Cont)

FORCE STRUCTURE

ARMY ENLISTED
OCCUPATION: MEDICAL



SURVIVAL RATES

ARMY ENLISTED
OCCUPATION: MEDICAL

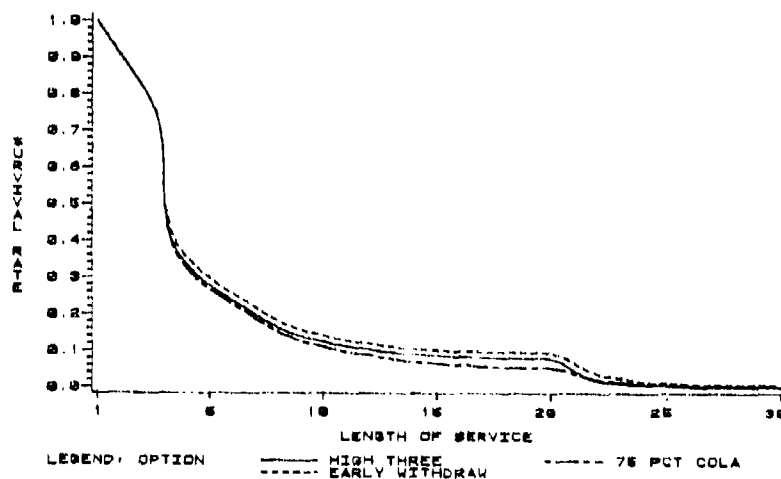
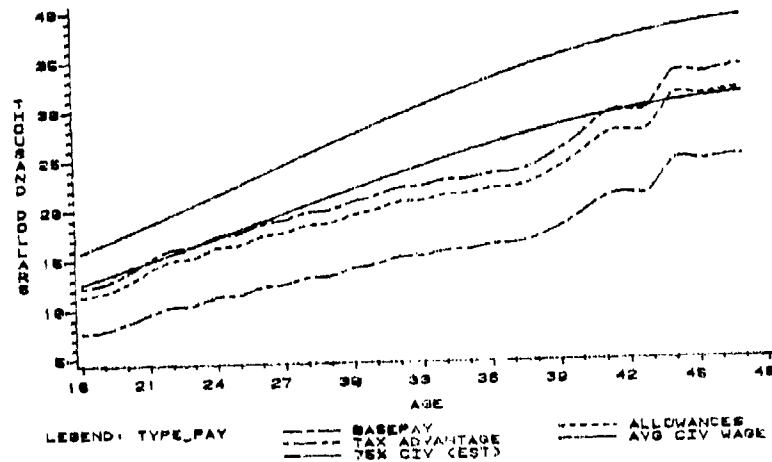


Figure N-III.A.5
Army Other Technical Specialist

MILITARY PAYS VS CIVILIAN WAGES

ARMY ENLISTED
OCCUPATION: TECHSPEC



ANNUALIZED COST OF LEAVING

ARMY ENLISTED
OCCUPATION: TECHSPEC

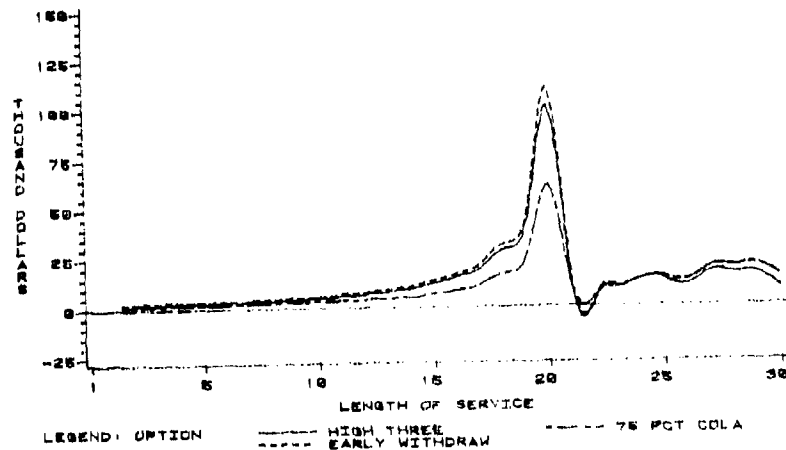
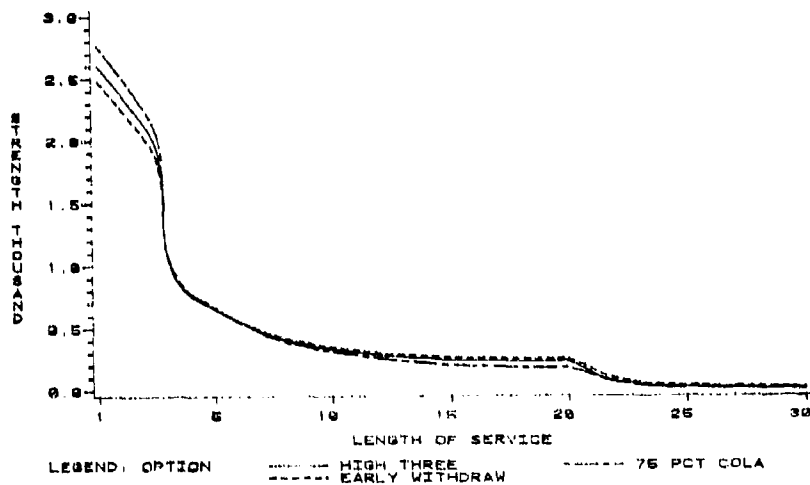


Figure N-III.A.5 (Cont)

FORCE STRUCTURE

ARMY ENLISTED
OCCUPATION: TECHSPEC



SURVIVAL RATES

ARMY ENLISTED
OCCUPATION: TECHSPEC

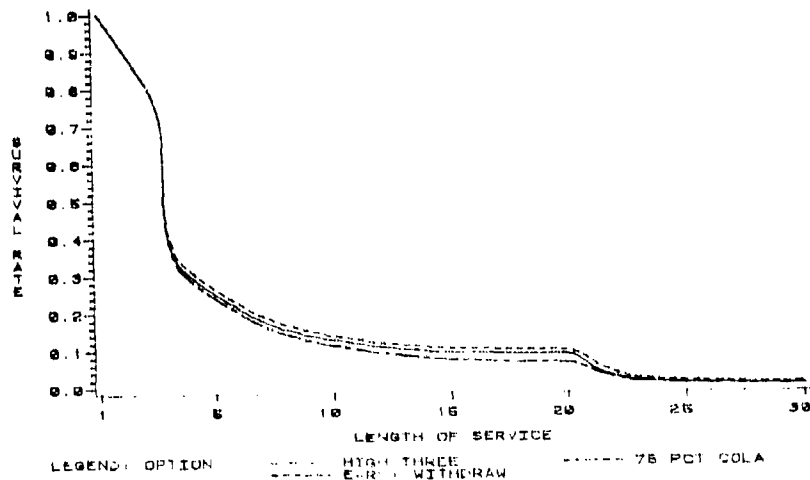
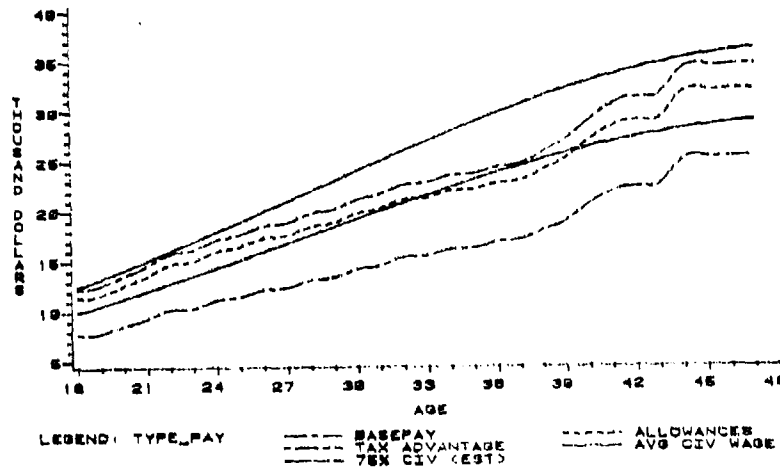


Figure N-III.A.6
Army Functional Support Administration

MILITARY PAYS VS CIVILIAN WAGES

ARMY ENLISTED
OCCUPATION: ADMIN



ANNUALIZED COST OF LEAVING

ARMY ENLISTED
OCCUPATION: ADMIN

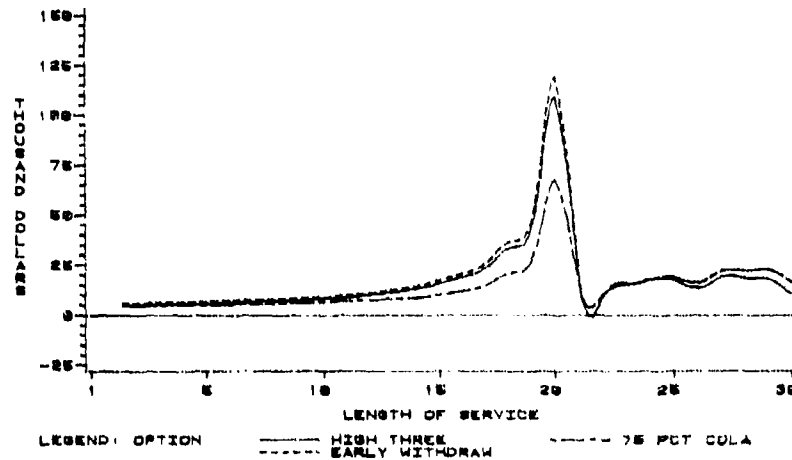
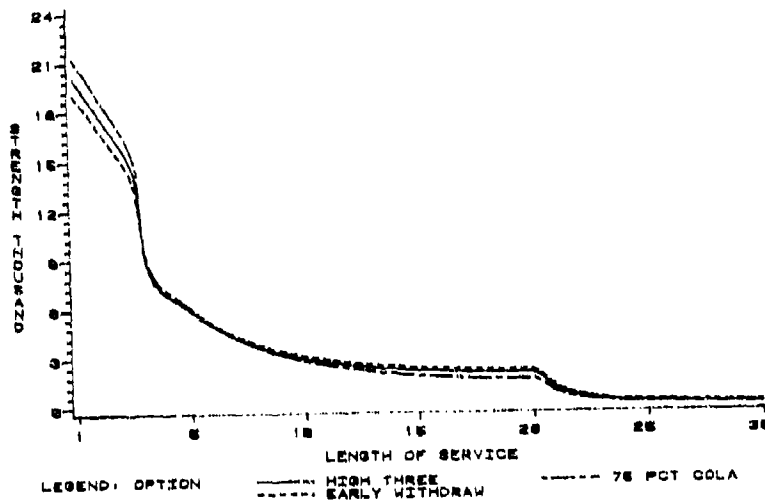


Figure N-III.A.6 (Cont)

FORCE STRUCTURE

ARMY ENLISTED
OCCUPATION: ADMIN



SURVIVAL RATES

ARMY ENLISTED
OCCUPATION: ADMIN

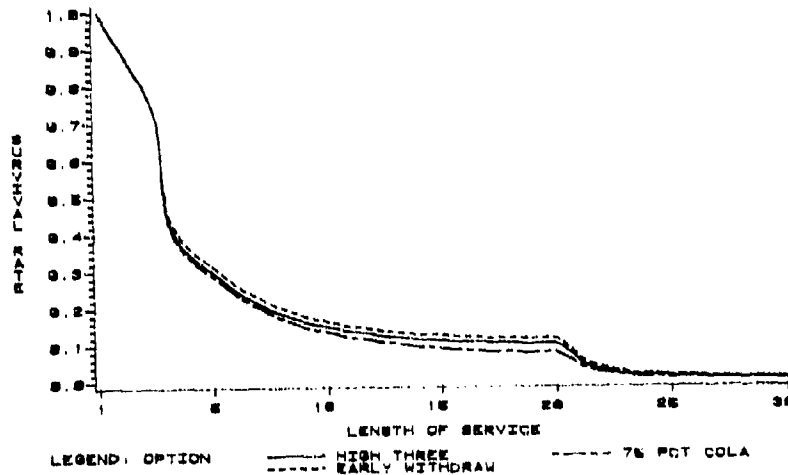
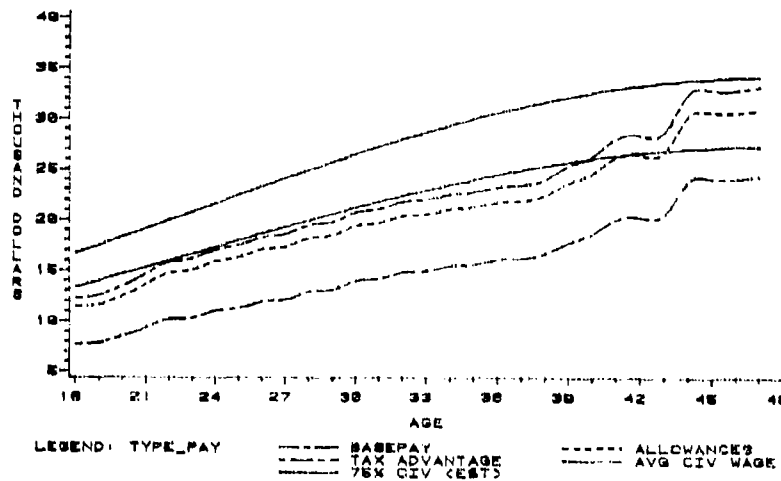


Figure N-III.A.7
Army Electrical/Mechanical Equipment Repair

MILITARY PAYS VS CIVILIAN WAGES

ARMY ENLISTED
OCCUPATION: ELEGMECH



ANNUALIZED COST OF LEAVING

ARMY ENLISTED
OCCUPATION: ELEGMECH

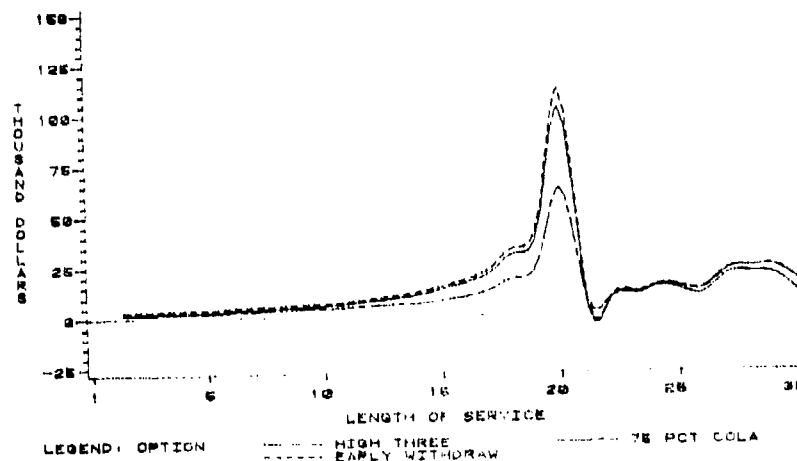
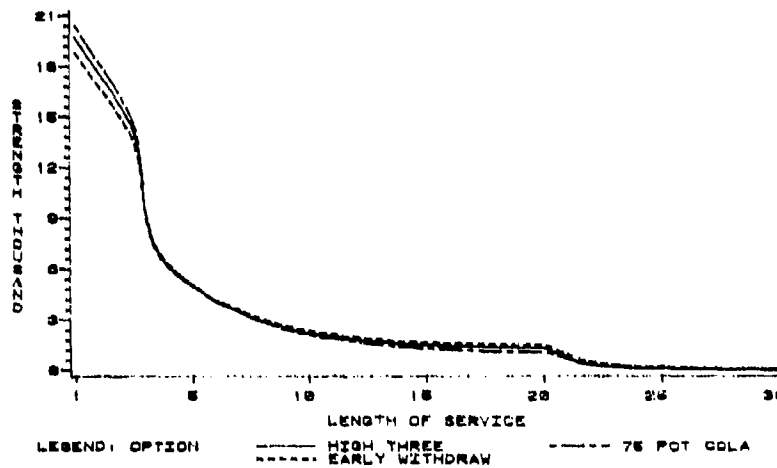


Figure N-III.A.7 (Cont)

FORCE STRUCTURE

ARMY ENLISTED
OCCUPATION: ELECMECH



SURVIVAL RATES

ARMY ENLISTED
OCCUPATION: ELECMECH

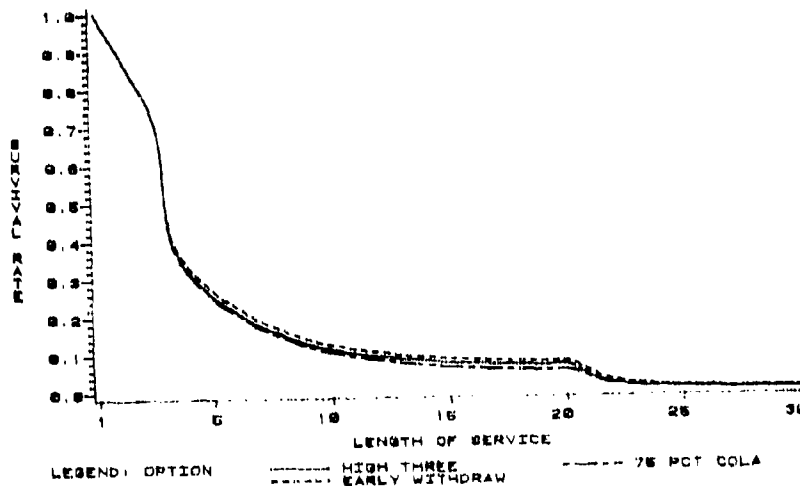
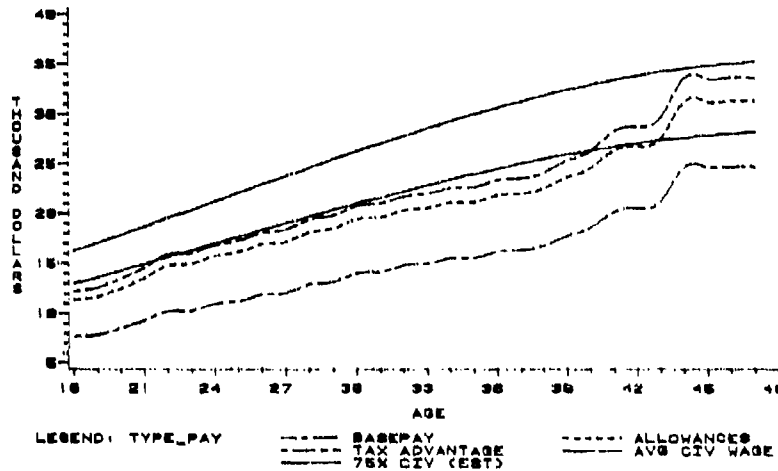


Figure N-III.A.8
Army Craftsman

MILITARY PAYS VS CIVILIAN WAGES

ARMY ENLISTED
OCCUPATION: CRAFTSMEN



ANNUALIZED COST OF LEAVING

ARMY ENLISTED
OCCUPATION: CRAFTSMEN

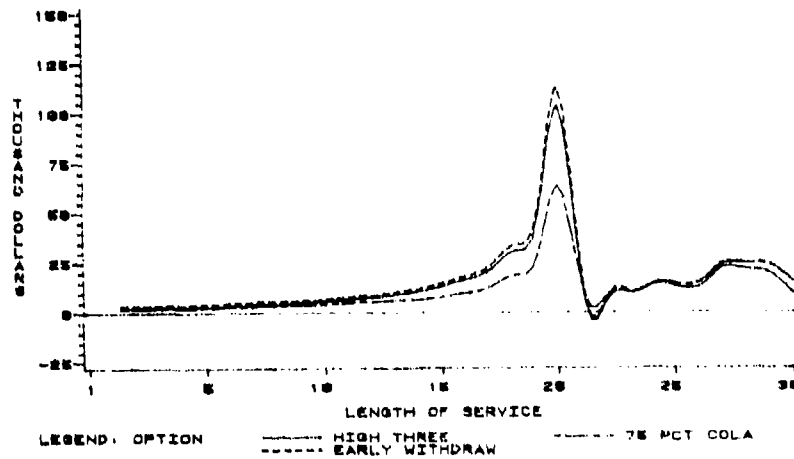
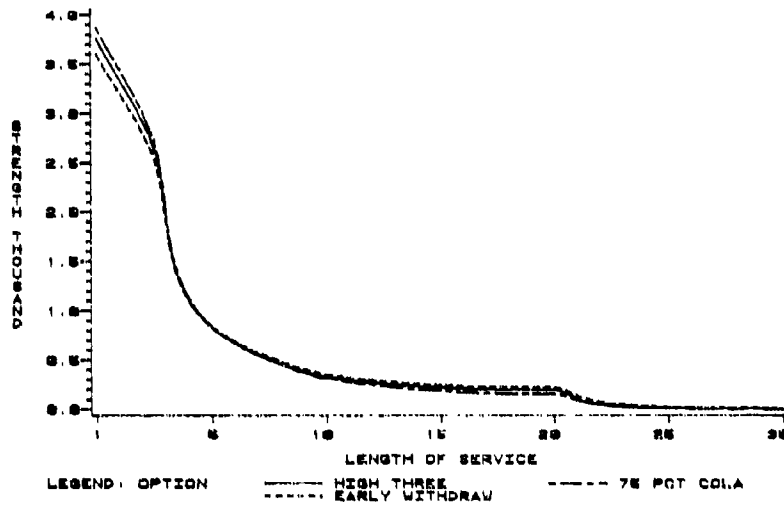


Figure N-III.A.8 (Cont)

FORCE STRUCTURE

ARMY ENLISTED
OCCUPATION: CRAFTSMEN



SURVIVAL RATES

ARMY ENLISTED
OCCUPATION: CRAFTSMEN

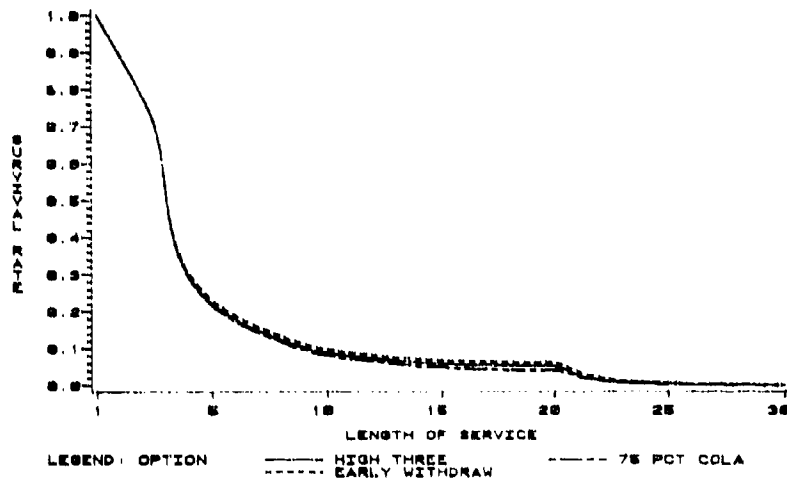
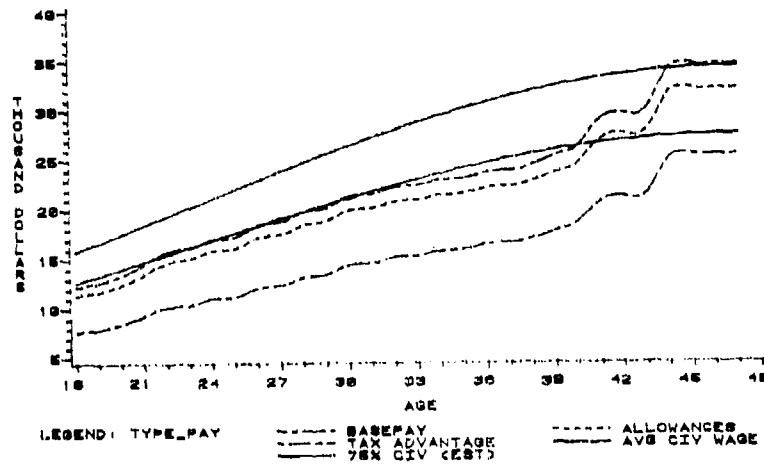


Figure N-III.A.9
Army Service and Supply Handlers

MILITARY PAYS VS CIVILIAN WAGES

ARMY ENLISTED
OCCUPATION: SUPPLY



ANNUALIZED COST OF LEAVING

ARMY ENLISTED
OCCUPATION: SUPPLY

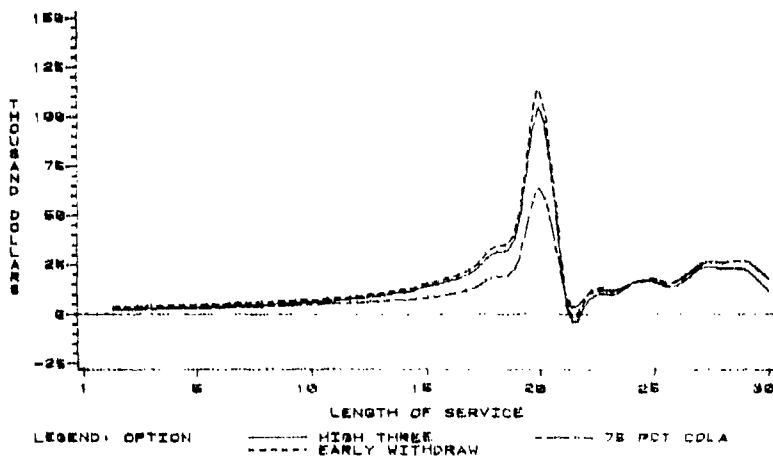
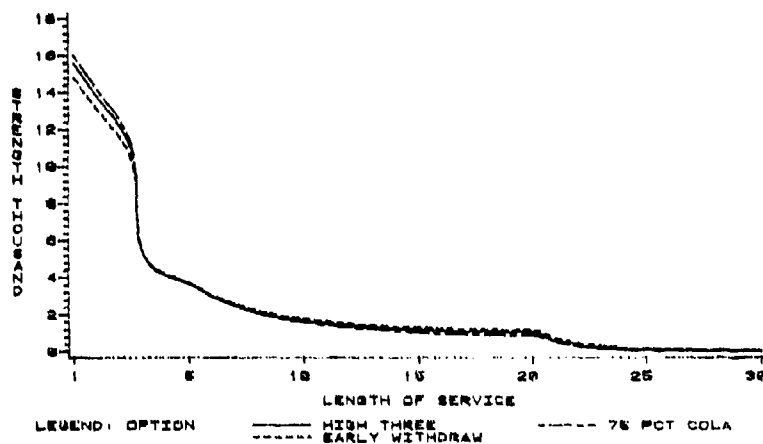


Figure N-III.A.9 (Cont)

FORCE STRUCTURE

ARMY ENLISTED
OCCUPATION: SUPPLY



SURVIVAL RATES

ARMY ENLISTED
OCCUPATION: SUPPLY

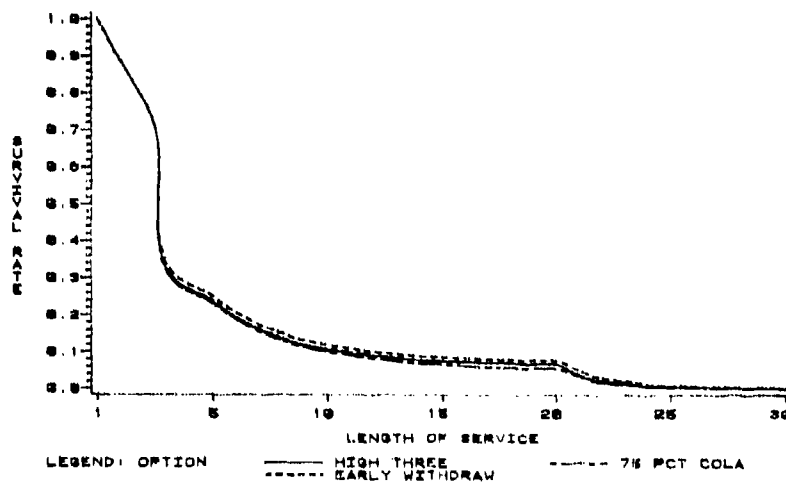
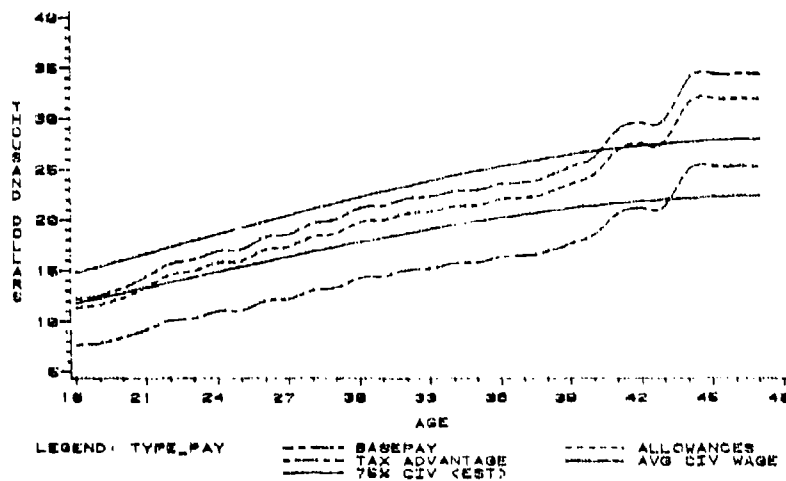


Figure N-III.A.10
Army Non-Occupational Students

MILITARY PAYS VS CIVILIAN WAGES

ARMY ENLISTED
OCCUPATION: STUDENTS



ANNUALIZED COST OF LEAVING

ARMY ENLISTED
OCCUPATION: STUDENTS

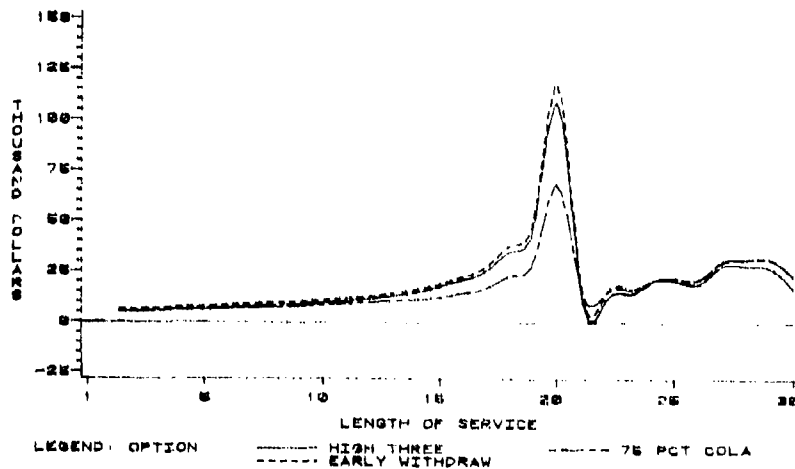
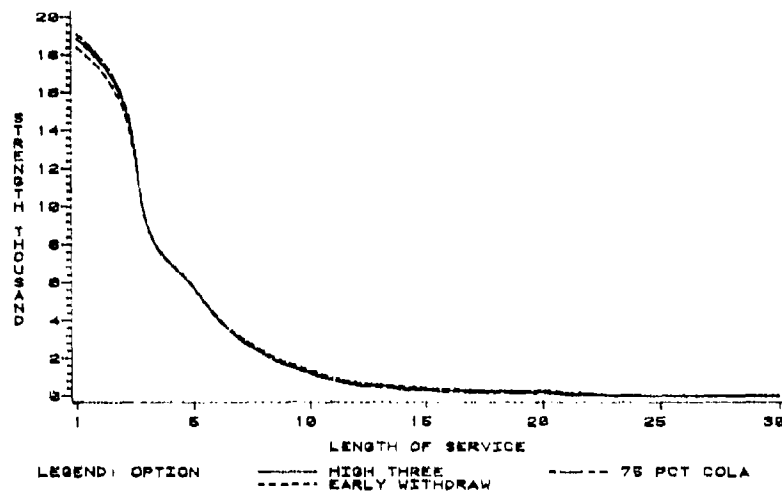


Figure N-III.A.10 (Cont)

FORCE STRUCTURE

ARMY ENLISTED
OCCUPATION: STUDENTS



SURVIVAL RATES

ARMY ENLISTED
OCCUPATION: STUDENTS

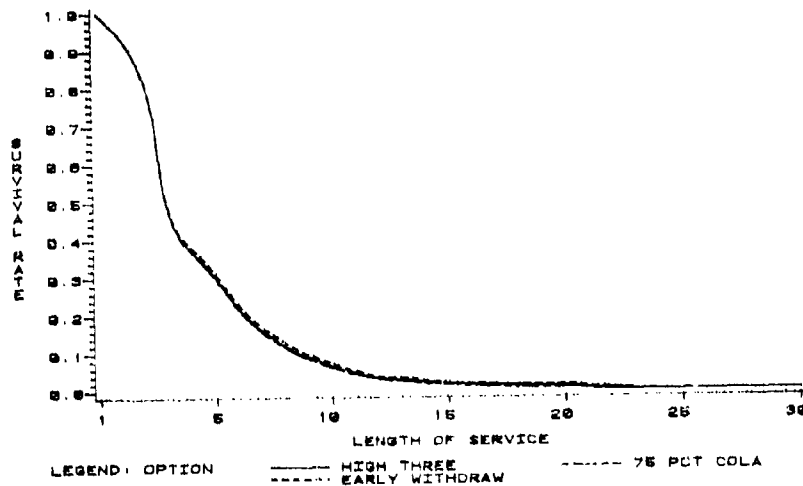
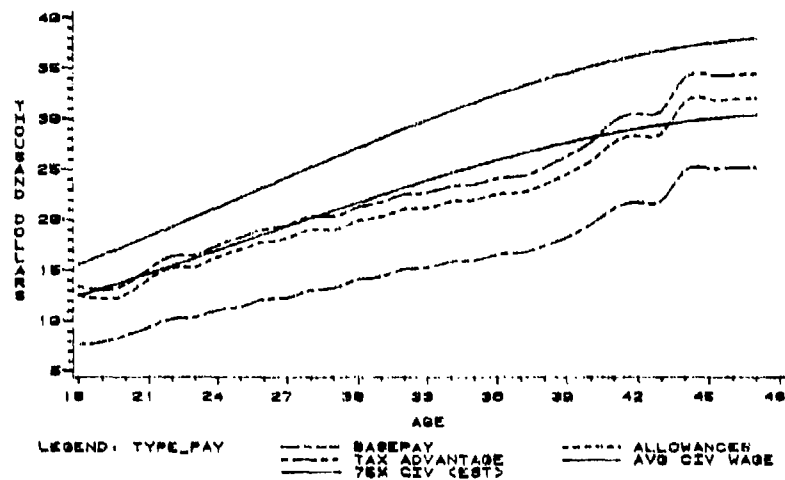


Figure N-III.A.11
Army Total Enlisted

MILITARY PAYS VS CIVILIAN WAGES

ARMY ENLISTED
OCCUPATION: TOTAL



ANNUALIZED COST OF LEAVING

ARMY ENLISTED
OCCUPATION: TOTAL

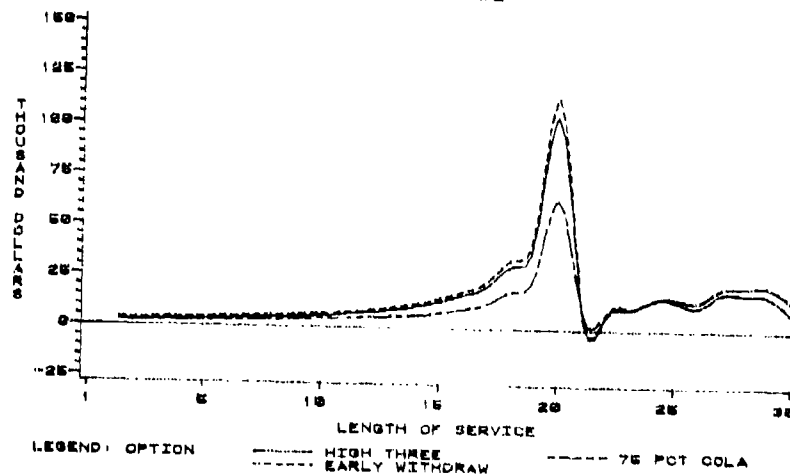
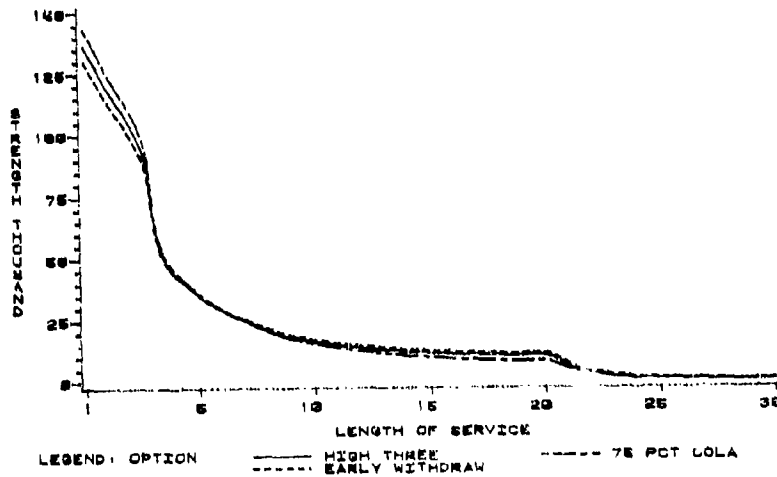


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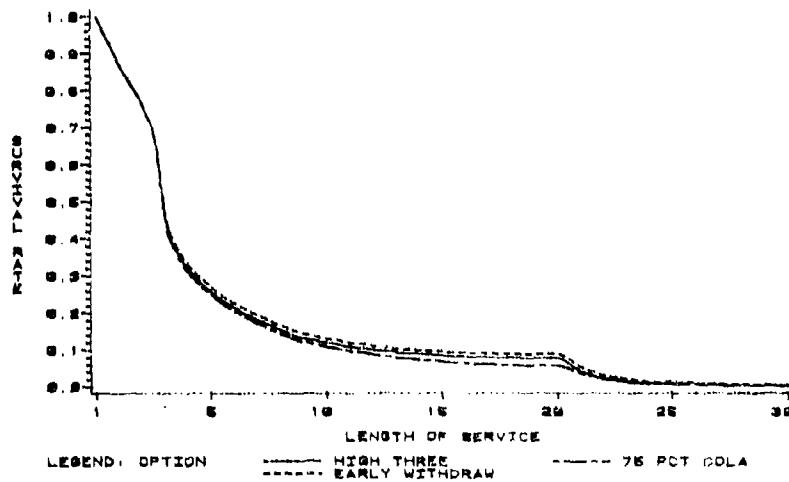
FORCE STRUCTURE

ARMY ENLISTED
OCCUPATION: TOTAL



SURVIVAL RATES

ARMY ENLISTED
OCCUPATION: TOTAL



B. NAVY ENLISTED OCCUPATIONAL GROUP DEFINITION.

1. Occupation: Gun Crews and Seamanship Specialists
ORMC Category: 126 DoD Occupation Code: 04,05,06

This occupational category includes the following subcategories: Artillery and Gunnery, General Air Crew and Seamanship Specialties. The current objective endstrength for this category is 29,934, which is 6.2% of total objective enlisted endstrength.

2. Occupation: Electronic Equipment Repairmen
ORMC Category: 127 DoD Occupation Code: 10,11,12,13,16,19

This occupation includes a number of subcategories responsible for the maintenance and repair of various types of electronic equipment. The following subcategories are included: Radio and Radar Technicians, Fire Control Electronic Systems Repairmen, Missile Guidance Control and Checkout, Sonar Equipment, ADP Computers, Teletype and Cryptographic Equipment and Other Electronic Equipment. The current objective endstrength enlisted endstrength.

3. Occupation: Communications and Intelligence Specialists
ORMC Category: 128 DoD Occupation Code: 20,21,22,23,24,26

This occupation includes the operation and monitoring of radio, radio teletype, radar, sonar and allied communications and intelligence consoles. The gathering and interpretation of photographic, electronic and documentary intelligence are also included. The following subcategories are included: Radiomen, Sonar Operator, Radar and Air traffic Controllers, Signal Intelligence and Electronics Warfare Technicians, Intelligence Specialists and Communications Center Operations. The current objective endstrength for this category is 56,799 which is 11.8% of total objective enlisted endstrength.

4. Occupation: Medical and Dental Specialists
ORMC Category: 129 DoD Occupation Code: 30,31,32,33

This occupation includes the technologists, technicians, administrators and assistants that specialize in patient care and treatment and in technical and related medical and dental services. The following subcategories are included: Medical Care, Technical Medical Services, and Related medical Services. The current objective endstrength for this category is 27,705 which is 5.8% of total objective enlisted endstrength.

5. Occupation: Other Technical and Allied Specialists
ORMC Category: 130 DoD Occupation Code: 40,41,42,43,45,49

This occupation includes specialists in technical and related skills that are not otherwise classified. The subcategories included are: Photographers, surveyors, Cartographers, Meteorologists, Ordnance Disposal and Diving, and Musicians. The current objective endstrength for this category is 6,072 which is 1.3% of total objective enlisted endstrength.



6. Occupation: Functional Support and Administration
QRMC Category: 131 DoD Occupation Code: 50,51,52,53,54,
55,56,57

This occupation includes general and specialized administrative, clerical and personnel support jobs. This also includes administrative specialists in data processing, information, supply, and functional support in transportation, flight operations, religion, theater, arts, sports and other areas. The current objective endstrength for this category is 67,135, which is 14.0% of total objective enlisted endstrength.

7. Occupation: Electrical/Mechanical Equipment Repairmen
QRMC Category: 132 DoD Occupation Code: 60,62,63,64,65,
66,67,69

This occupation includes specialists in the maintenance and repair of electrical, mechanical, hydraulic, and pneumatic equipment. The subcategories included are Aircraft Repairmen, Wire Communications Repairmen, Mechanical and Electrical Missile Repair, Nuclear Weapons Maintenance and Assembly, Shipboard Propulsion, Power Generating Equipment, Precision Equipment Repair and Other Mechanical and Electrical Equipment Repair. The current objective endstrength for this category is 155,031 which is 32.3% of total objective enlisted endstrength.

8. Occupation: Craftsmen
QRMC Category: 133 DoD Occupation Code: 70,71,72,74,75,
76,79

This occupation includes personnel responsible for the formation, fabrication, and installation of components, the installation and maintenance of utilities, and related trades and crafts. The subcategories included are: Metal Workers, Construction Specialists, Utilities, Lithographers, Industrial Gas and Fuel Production, Rubber & Plastics Workers, and other Craftsmen. The current objective endstrength for this category is 28,324, which is 5.9% of total objective enlisted endstrength.

9. Occupation: Service and Supply Handlers
QRMC Category: 134 DoD Occupation Code: 80,82,83,84,86

This occupation includes personnel involved in protective and personnel services and non-clerical personnel involved in warehousing, food handling, and motor transportation. The following subcategories are included: Food service Specialist, Store Sales, Law Enforcement, Personal Services, and Aircrew Survival Equipmentmen. The current objective endstrength for this category is 30,622, which is 6.4% of total objective enlisted endstrength.

10. Occupation: Non-Occupational
QRMC Category: 135 DoD Occupation Code: 95

This occupation includes students and trainees who for various reasons are not occupationally qualified.

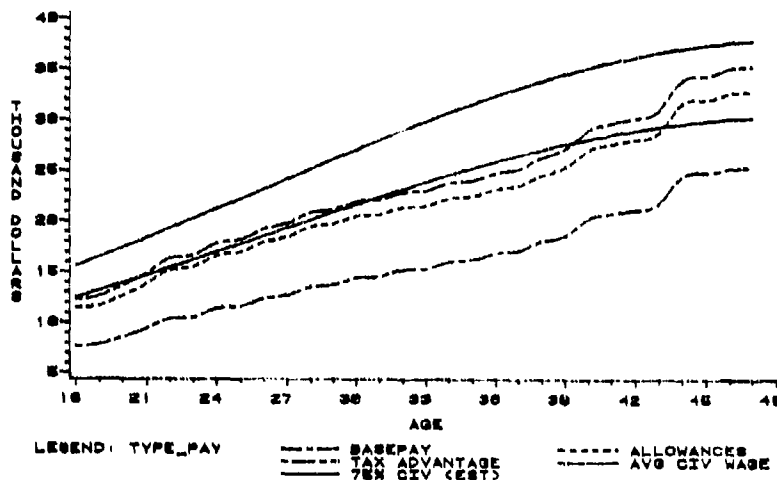
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Figure N-III.B.1
Navy Gun Crews and Seamanship Specialists

MILITARY PAYS VS CIVILIAN WAGES

NAVY ENLISTED
OCCUPATION: SEAMEN



ANNUALIZED COST OF LEAVING

NAVY ENLISTED
OCCUPATION: SEAMEN

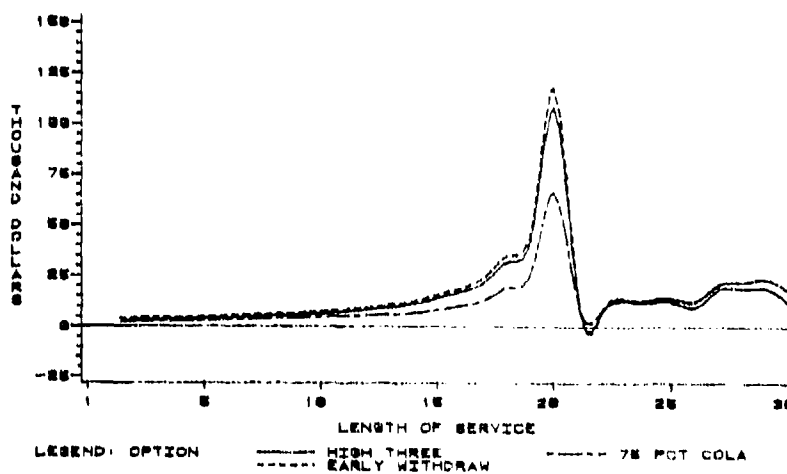
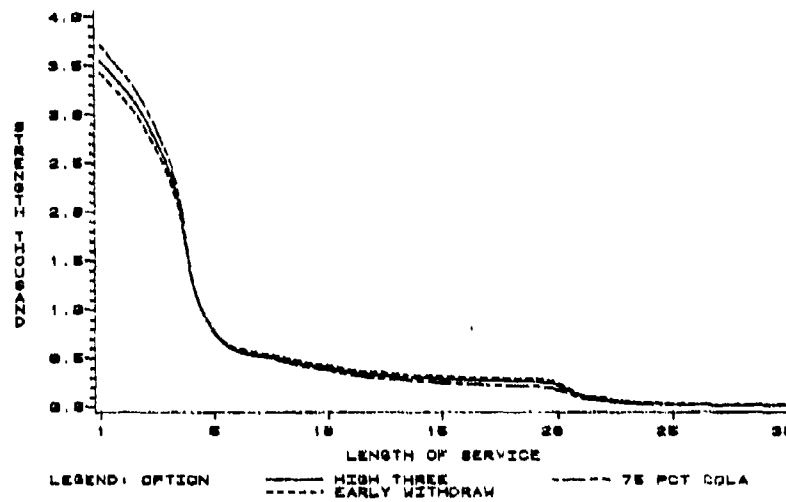


Figure N-III.B.1 (Cont)

FORCE STRUCTURE

NAVY ENLISTED
OCCUPATION: SEAMEN



SURVIVAL RATES

NAVY ENLISTED
OCCUPATION: SEAMEN

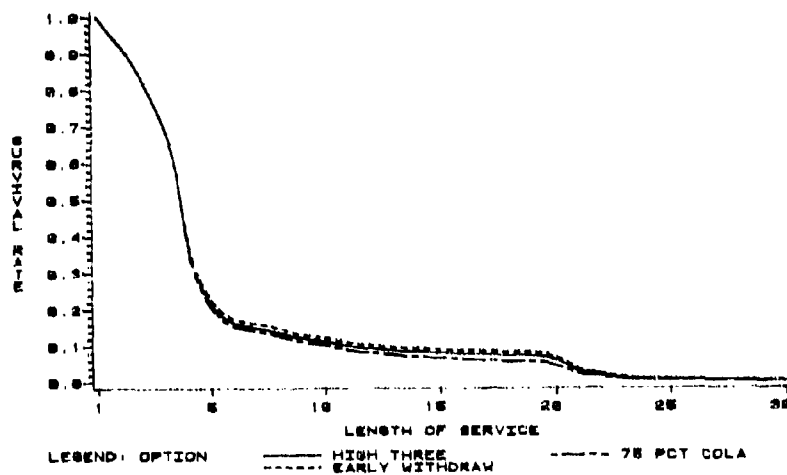
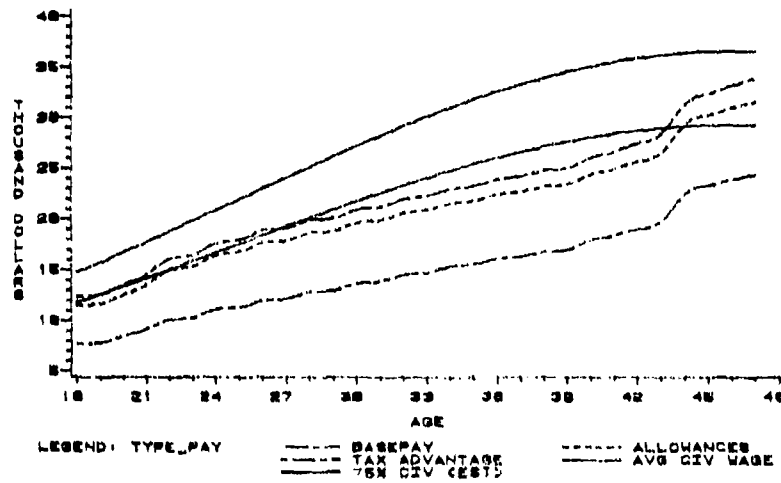


Figure N-111.B.2
Navy Electronic Equipment Repairmen

MILITARY PAYS VS CIVILIAN WAGES

NAVY ENLISTED
OCCUPATION: ELEC-RPR



ANNUALIZED COST OF LEAVING

NAVY ENLISTED
OCCUPATION: ELEC-RPR

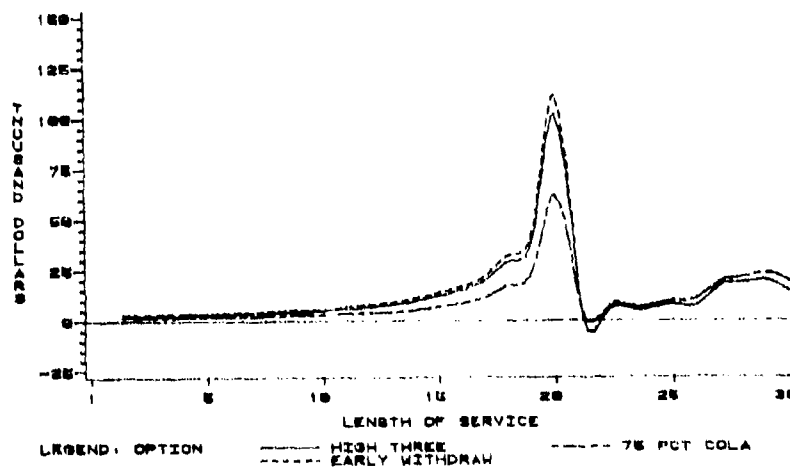
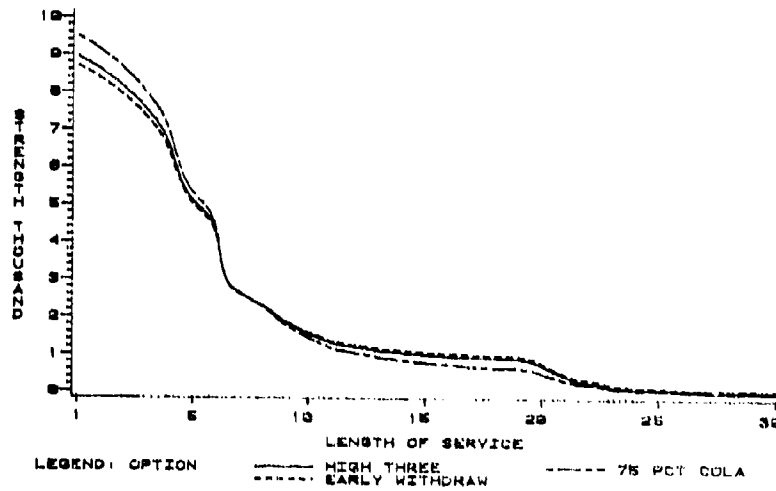


Figure N-III.B.2 (Cont)

FORCE STRUCTURE

NAVY ENLISTED
OCCUPATION: ELEC-RPR



SURVIVAL RATES

NAVY ENLISTED
OCCUPATION: ELEC-RPR

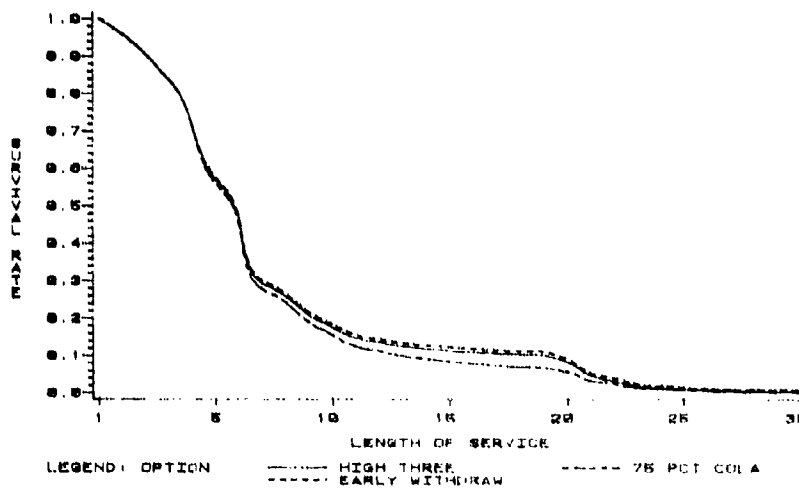
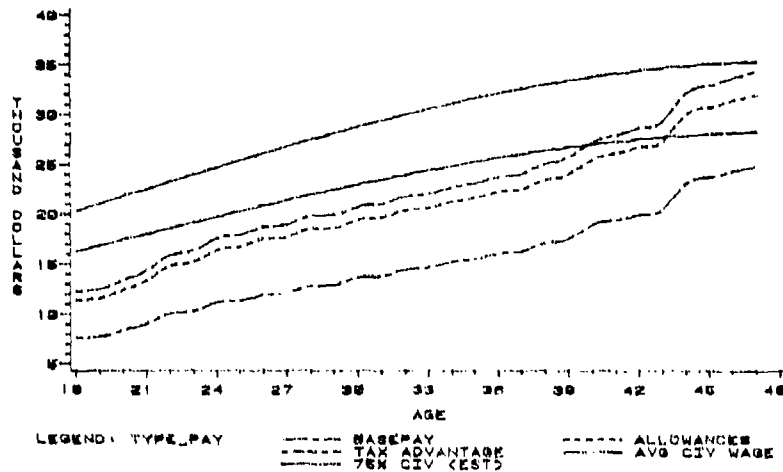


Figure N-III.B.3
Navy Communications and Intelligence Specialists

MILITARY PAYS VS CIVILIAN WAGES

NAVY ENLISTED
OCCUPATION: COM-INTL



ANNUALIZED COST OF LEAVING

NAVY ENLISTED
OCCUPATION: COM-INTL

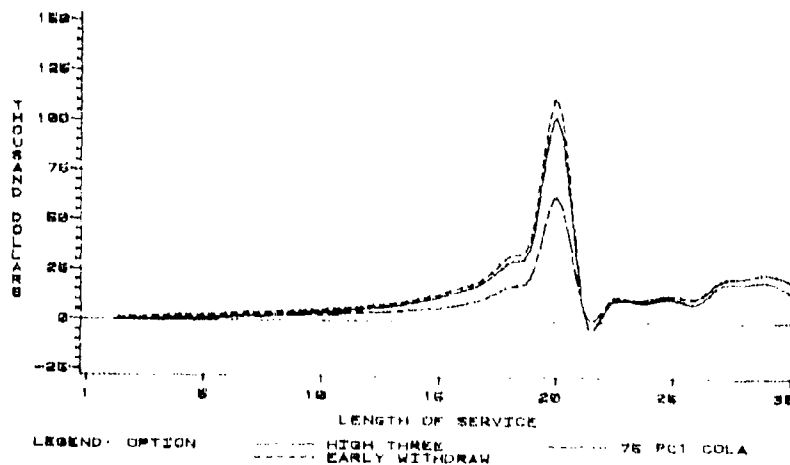
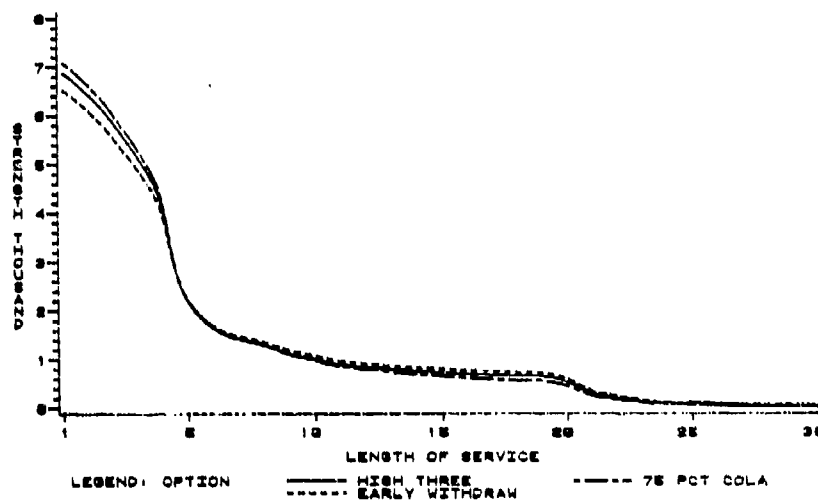


Figure N-III.B.3 (Cont)

FORCE STRUCTURE

NAVY ENLISTED
OCCUPATION: COM-INTL



SURVIVAL RATES

NAVY ENLISTED
OCCUPATION: COM-INTL

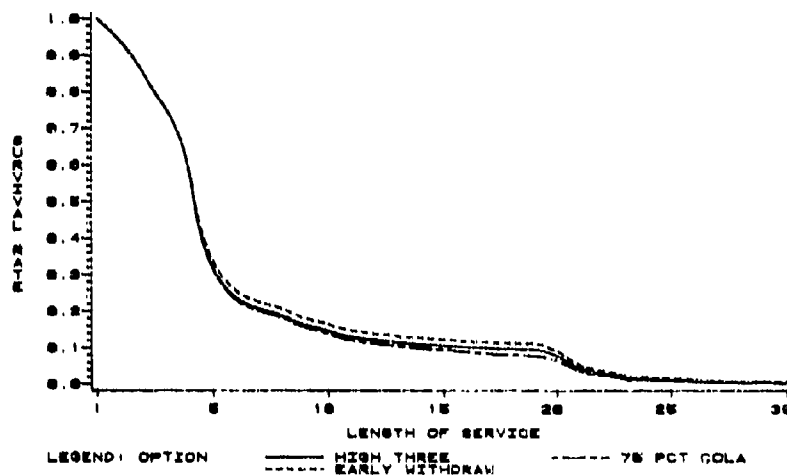
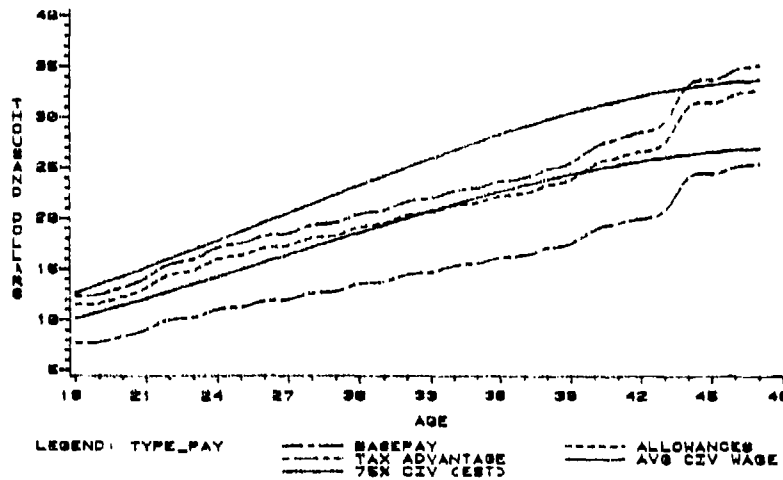


Figure N-III.B.4
Navy Medical and Dental Specialists

MILITARY PAYS VS CIVILIAN WAGES

NAVY ENLISTED
OCCUPATION: MEDICAL



ANNUALIZED COST OF LEAVING

NAVY ENLISTED
OCCUPATION: MEDICAL

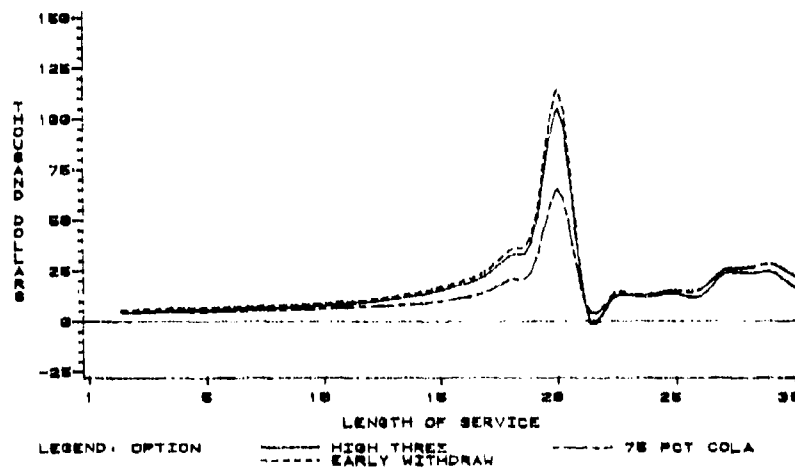
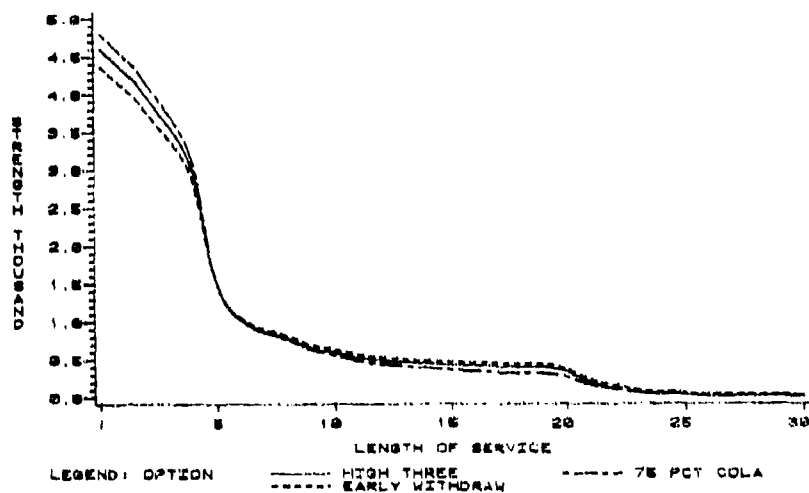


Figure N-III.B.4 (Cont)

FORCE STRUCTURE

NAVY ENLISTED
OCCUPATION: MEDICAL



SURVIVAL RATES

NAVY ENLISTED
OCCUPATION: MEDICAL

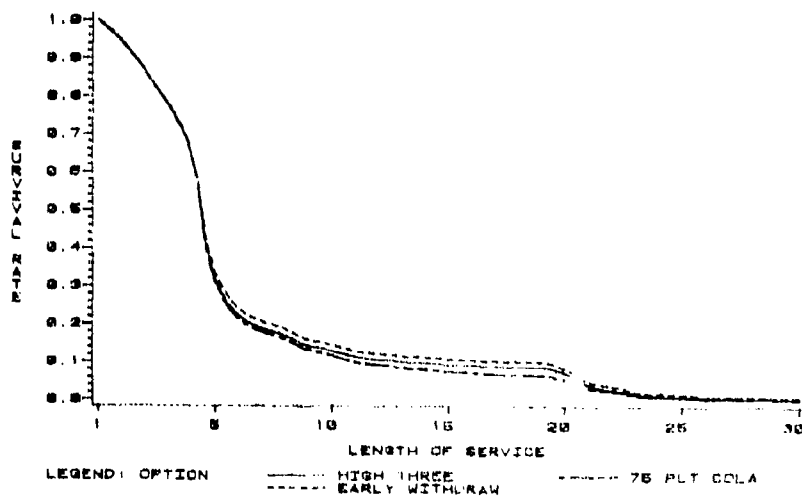
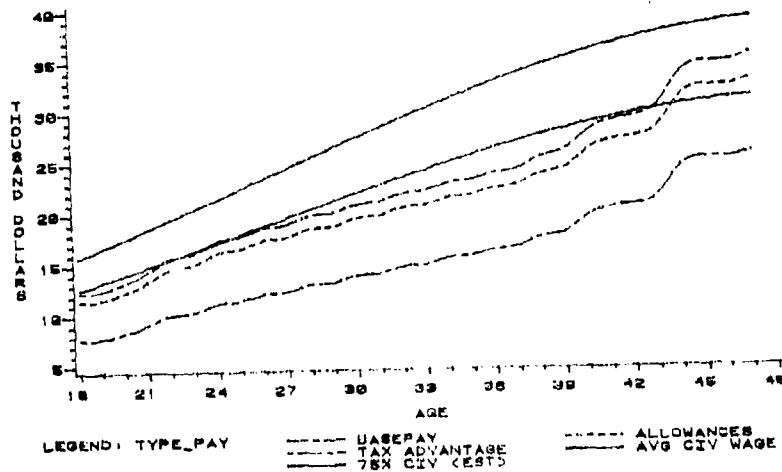


Figure N-III.B.5
Navy Other Technical and Allied Specialists

MILITARY PAYS VS CIVILIAN WAGES

NAVY ENLISTED
OCCUPATION: TECHSPEC



ANNUALIZED COST OF LEAVING

NAVY ENLISTED
OCCUPATION: TECHSPEC

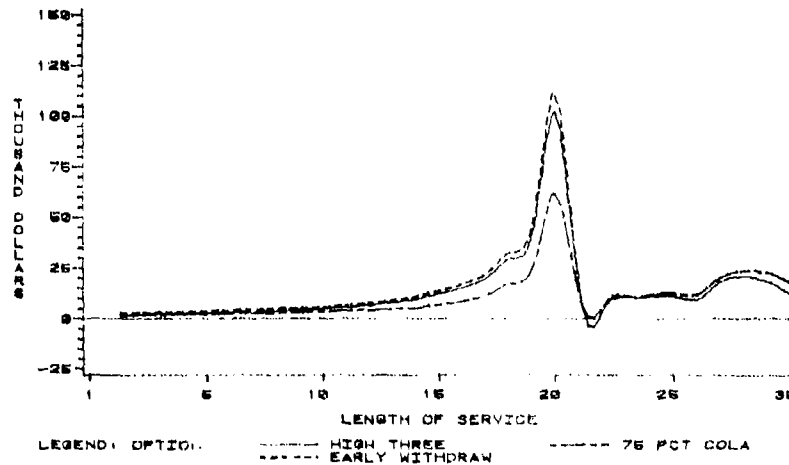
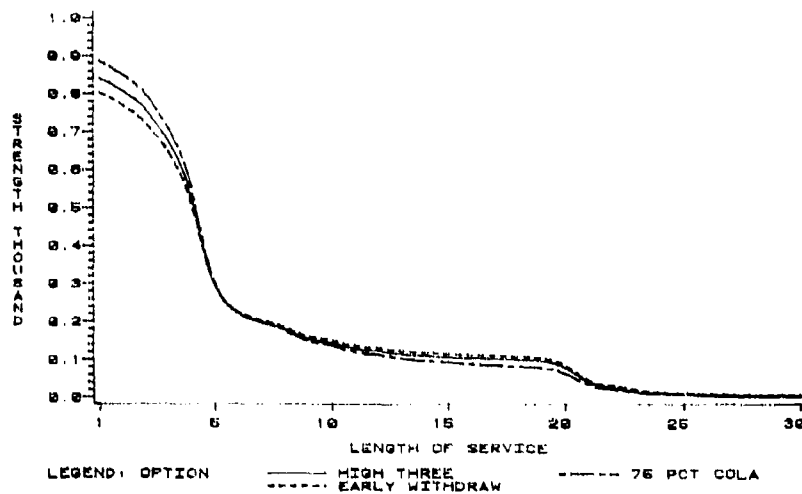


Figure N-III.B.5 (Cont)

FORCE STRUCTURE

NAVY ENLISTED
OCCUPATION: TECHSPEC



SURVIVAL RATES

NAVY ENLISTED
OCCUPATION: TECHSPEC

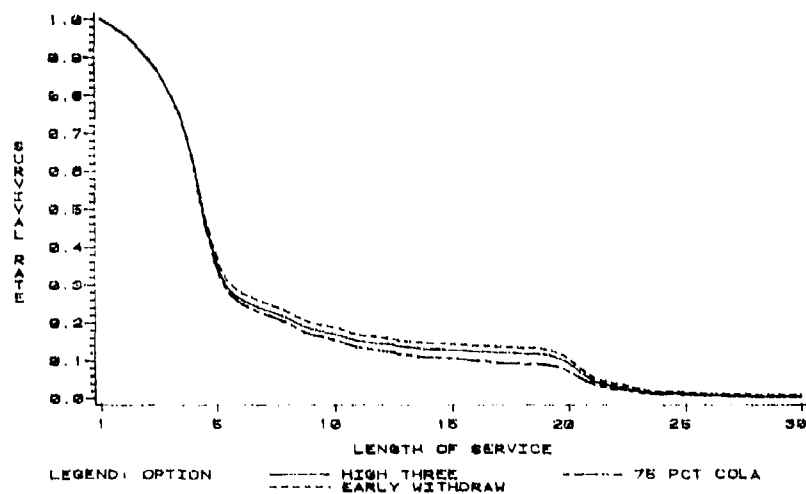
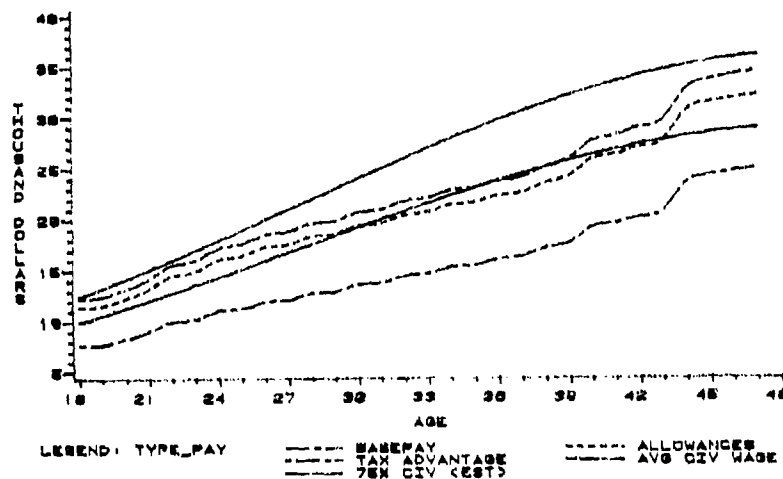


Figure N-III.B.6
Navy Functional Support and Administration

MILITARY PAYS VS CIVILIAN WAGES

NAVY ENLISTED
OCCUPATION: ADMIN



ANNUALIZED COST OF LEAVING

NAVY ENLISTED
OCCUPATION: ADMIN

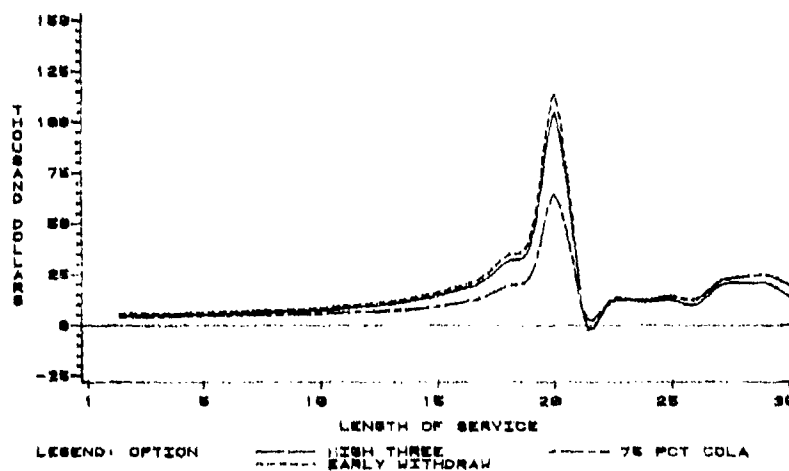
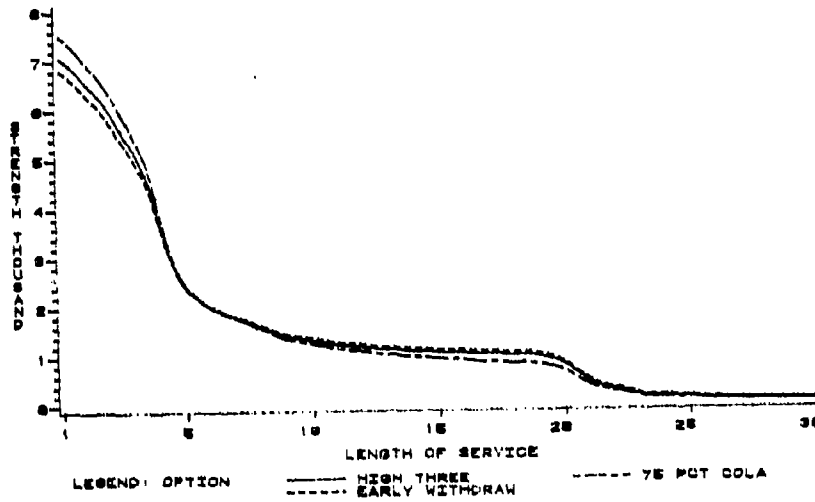


Figure N-III.B.6 (Cont)

FORCE STRUCTURE

NAVY ENLISTED
OCCUPATION: ADMIN



SURVIVAL RATES

NAVY ENLISTED
OCCUPATION: ADMIN

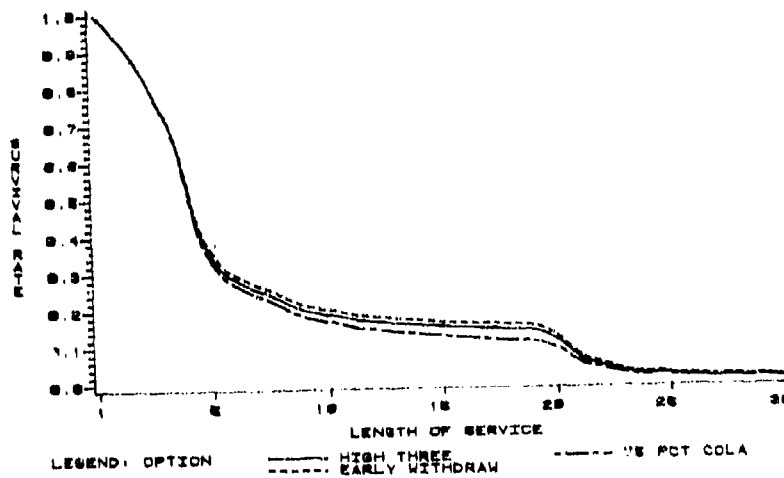
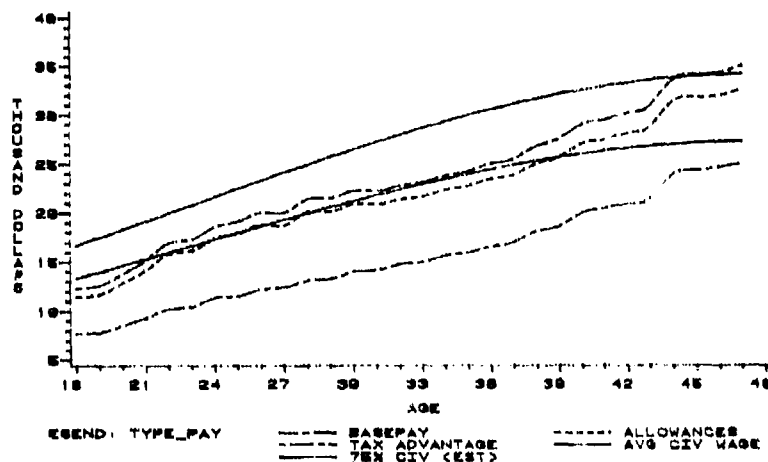


Figure N-III.B.7
Navy Electronical/Mechanical Equipment Repairmen

MILITARY PAYS VS CIVILIAN WAGES

NAVY ENLISTED
OCCUPATION: ELECMECH



ANNUALIZED COST OF LEAVING

NAVY ENLISTED
OCCUPATION: ELECMECH

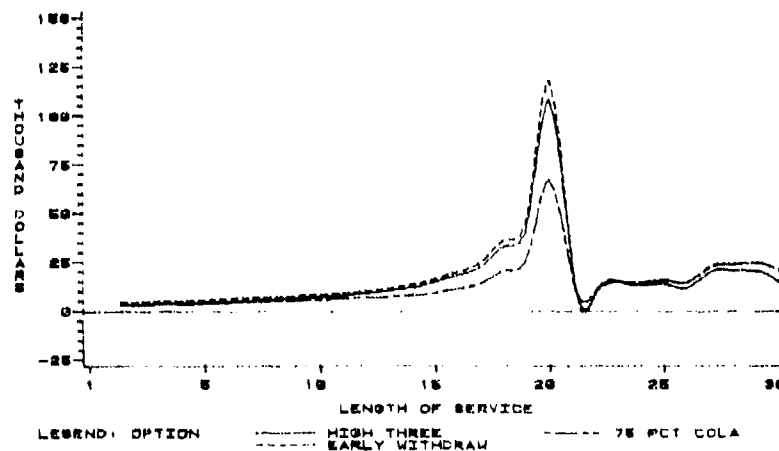
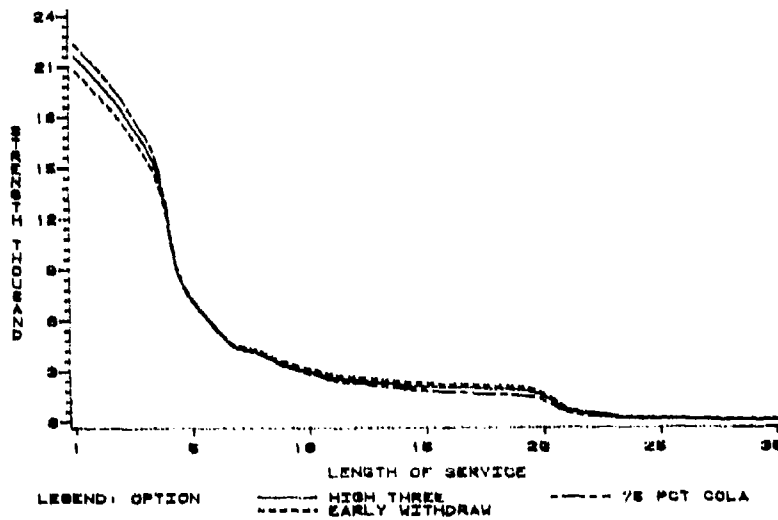


Figure N-III.B.7 (Cont)

FORCE STRUCTURE

NAVY ENLISTED
OCCUPATION: ELECMECH



SURVIVAL RATES

NAVY ENLISTED
OCCUPATION: ELECMECH

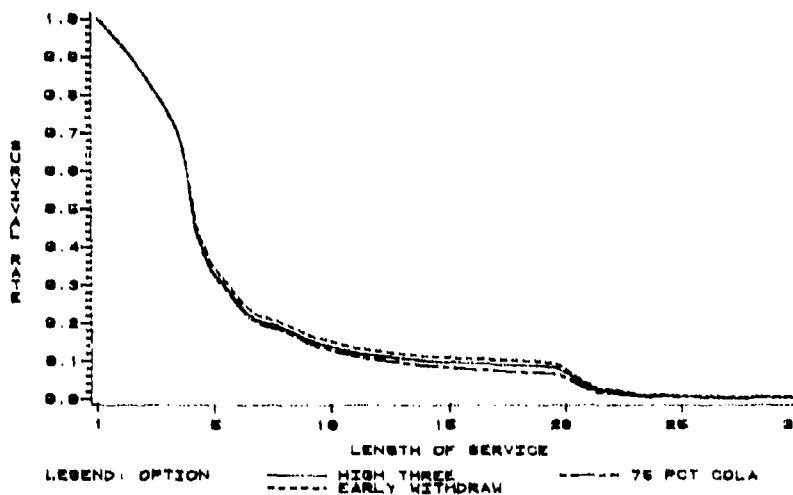
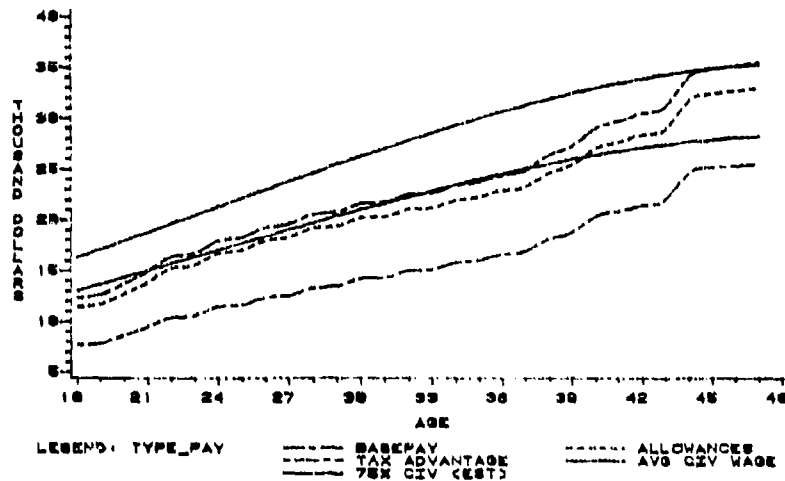


Figure N-III.B.8
Navy Craftsmen

MILITARY PAYS VS CIVILIAN WAGES

NAVY ENLISTED
OCCUPATION: CRAFTSMEN



ANNUALIZED COST OF LEAVING

NAVY ENLISTED
OCCUPATION: CRAFTSMEN

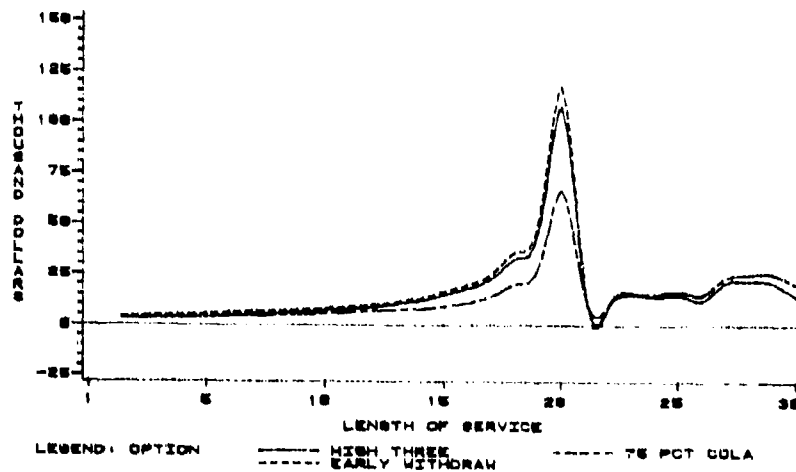
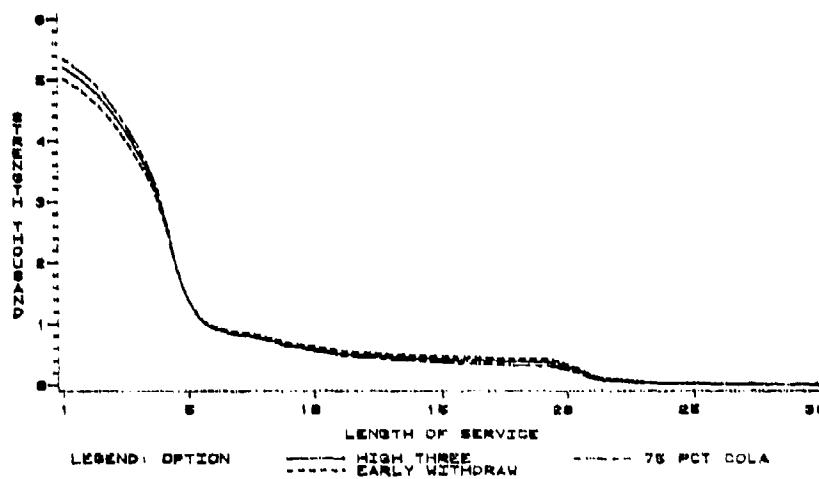


Figure N-III.B.8 (Cont)

FORCE STRUCTURE

NAVY ENLISTED
OCCUPATION: CRAFTSMEN



SURVIVAL RATES

NAVY ENLISTED
OCCUPATION: CRAFTSMEN

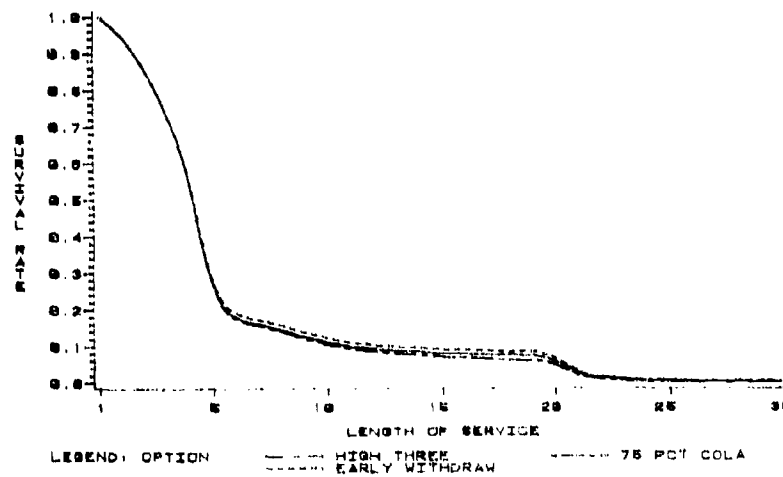
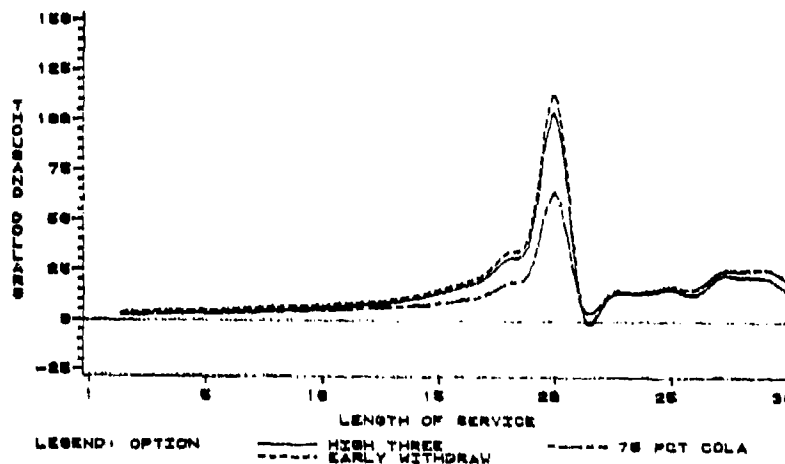


Figure N-III.B.9
Navy Service and Supply Handlers

ANNUALIZED COST OF LEAVING

NAVY ENLISTED
OCCUPATION: SUPPLY



MILITARY PAYS VS CIVILIAN WAGES

NAVY ENLISTED
OCCUPATION: SUPPLY

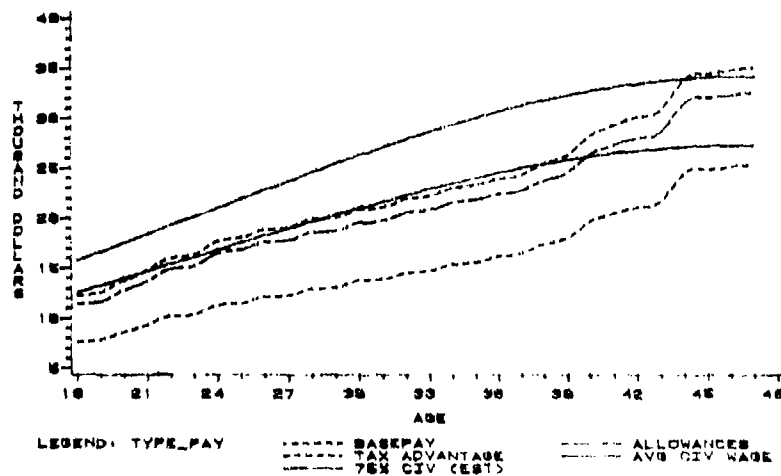
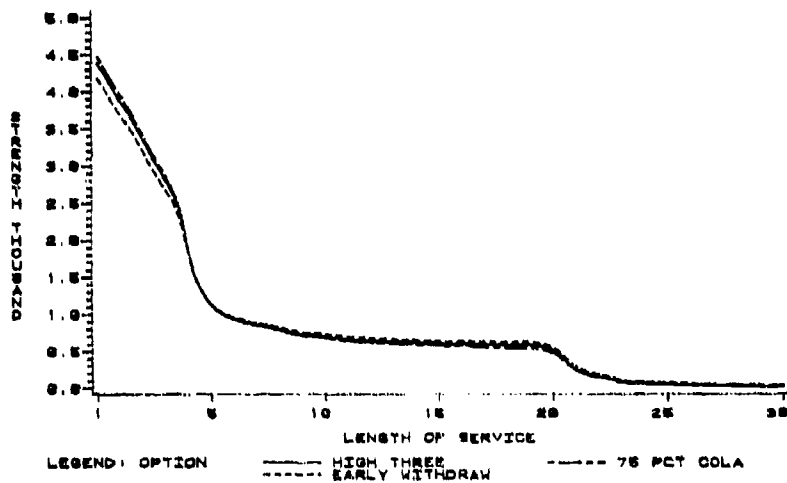


Figure N-III.B.9 (Cont)

FORCE STRUCTURE

NAVY ENLISTED
OCCUPATION: SUPPLY



SURVIVAL RATES

NAVY ENLISTED
OCCUPATION: SUPPLY

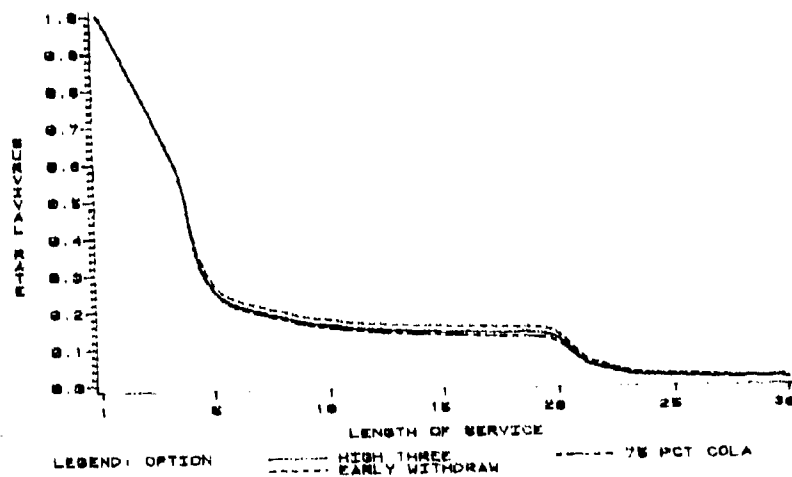
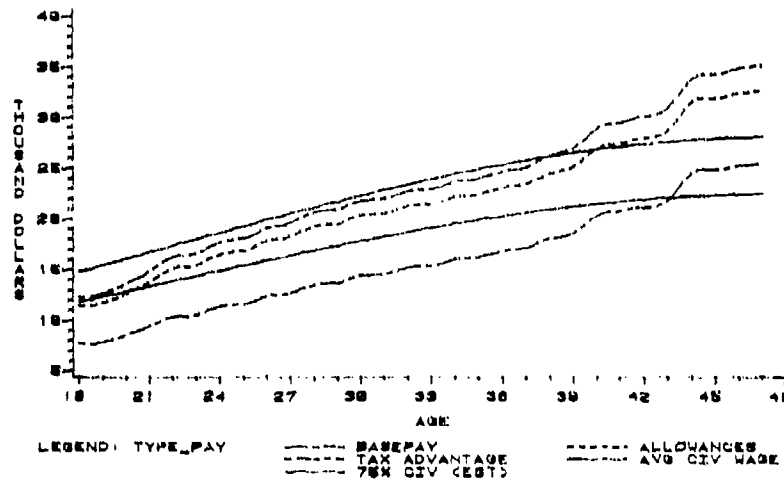


Figure N-111.B.10
Navy Non-Occupational Students

MILITARY PAYS VS CIVILIAN WAGES

NAVY ENLISTED
OCCUPATION: STUDENTS



ANNUALIZED COST OF LEAVING

NAVY ENLISTED
OCCUPATION: STUDENTS

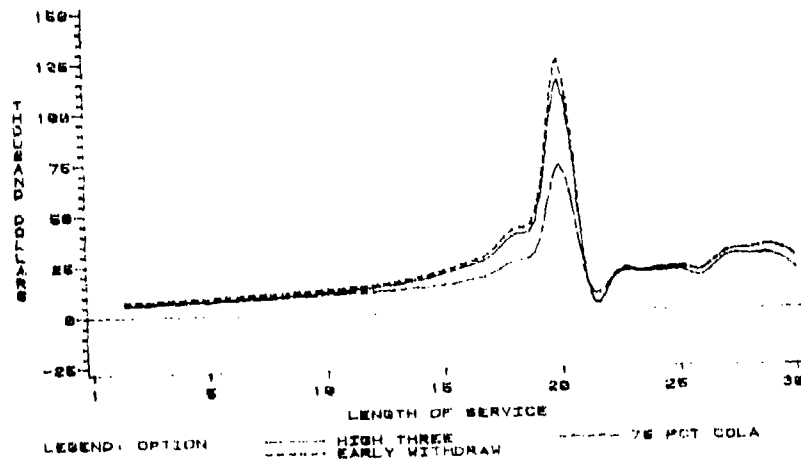
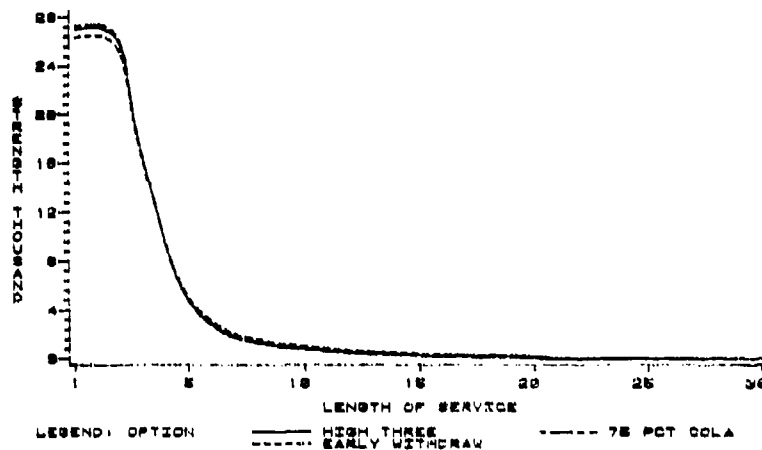


Figure N-III.B.10 (Cont)

FORCE STRUCTURE

NAVY ENLISTED
OCCUPATION: STUDENTS



SURVIVAL RATES

NAVY ENLISTED
OCCUPATION: STUDENTS

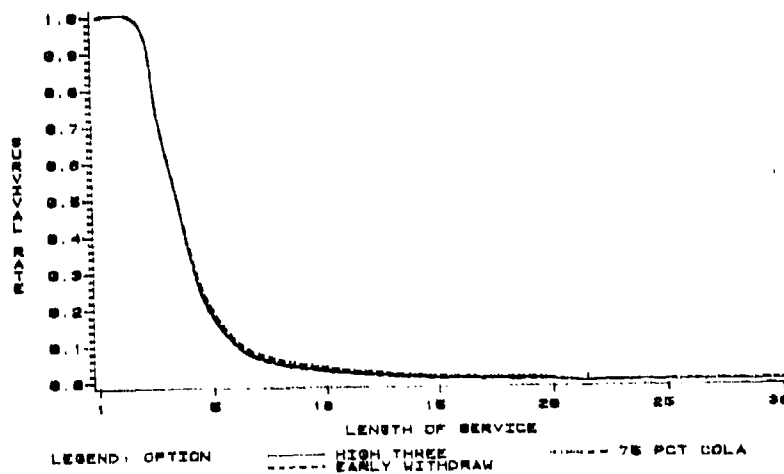
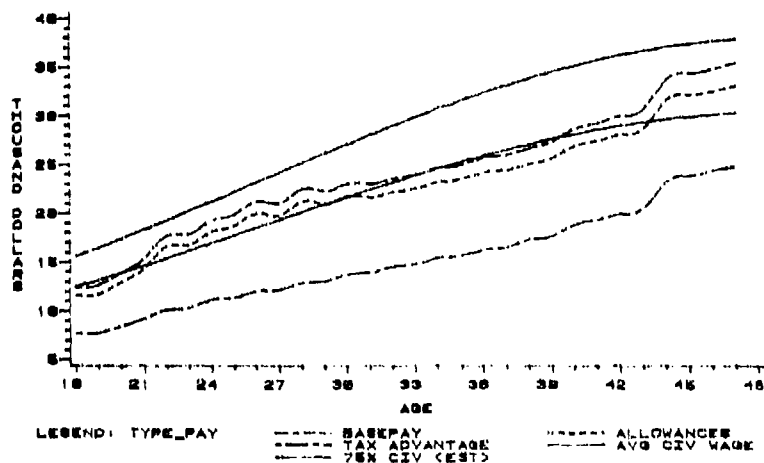


Figure N-III.B.11
Navy Total Enlisted

MILITARY PAYS VS CIVILIAN WAGES

NAVY ENLISTED
OCCUPATION: TOTAL



ANNUALIZED COST OF LEAVING

NAVY ENLISTED
OCCUPATION: TOTAL

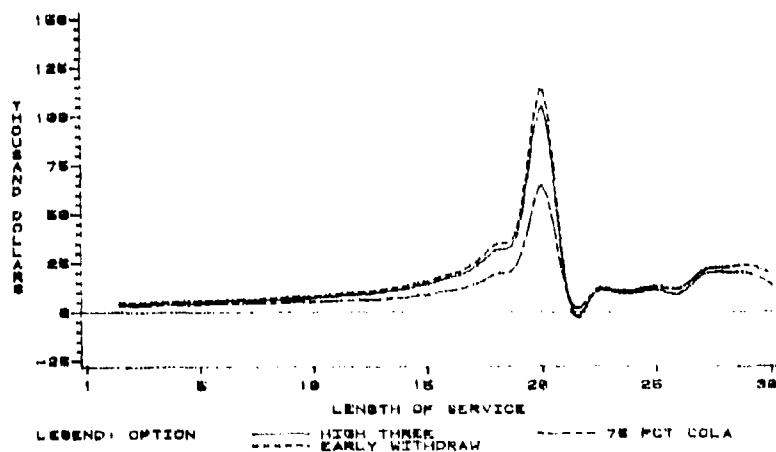
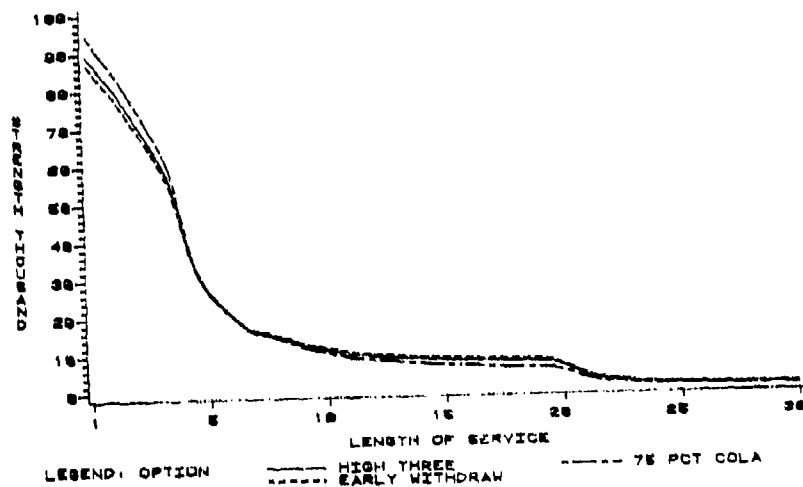


Figure N-III.B.11 (Cont)

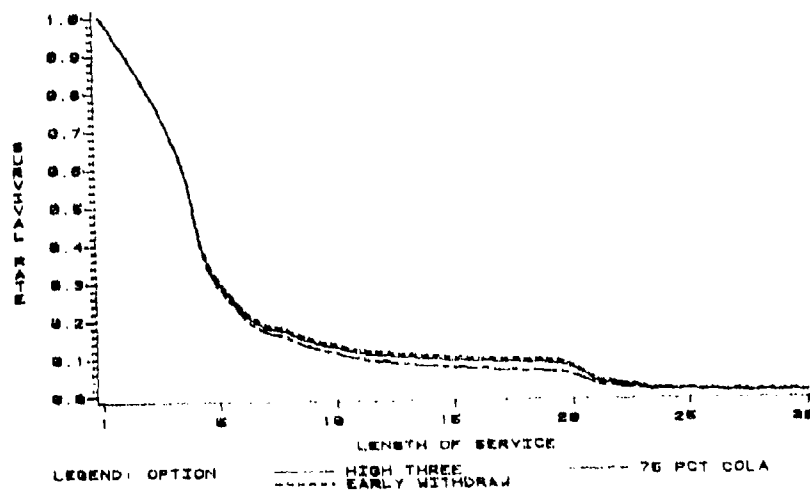
FORCE STRUCTURE

NAVY ENLISTED
OCCUPATION: TOTAL



SURVIVAL RATES

NAVY ENLISTED
OCCUPATION: TOTAL



C. USMC ENLISTED OCCUPATIONAL GROUP DEFINITION.

1. Occupation: Infantry and Gun Crews (Enlisted)
QRMC Category 126 DoD Occupation Codes: 01, 02, 03, 04, 05

This occupational category includes the following subcategories of Marines: infantrymen, tank and amphibian tractor crews, combat engineers, shore party, artillery crews, aircraft flight engineers, and crew chiefs. This DoD occupational category also includes parachute and scuba qualified personnel as well as drill instructors, marksmanship instructors and water/survival instructors. However, Marines in these subcategories fill them as billet assignments and are not included if their occupational field does not fall into this DoD category. The total for this category is 41,427 which is 23.9% of the current objective enlisted endstrength.

2. Occupation: Electronic Equipment Repairmen (Enlisted)
QRMC Category 127 DoD Occupation Code: 10, 12, 15, 16, 19

This occupational category includes the following subcategories of Marines: radio and radar repairmen, air traffic control, radar, and communications technicians, target acquisition and tracking radar specialists, aircraft weapon systems specialists, computer specialists, teletype and cryptographic equipment technicians, and other electronics equipment repairmen. The total for this category is 11,816 which is 6.8% of the current objective enlisted endstrength.

3. Occupation: Communications and Intelligence Specialists (Enlisted)
QRMC Category 128 DoD Occupation Codes: 20, 22, 23, 24, 25, 26

This occupational category includes the following subcategories of Marines: radio and radar operators, air traffic controllers, signal intelligence/electronic warfare specialists, cryptologic linguist, interrogation and translation specialists, language and imagery interpreters, intelligence and counterintelligence specialists, artillery operations personnel, and communication personnel. The total for this category is 13,167 which is 7.6% of the current objective enlisted endstrength.

4. Occupation: Other Technical and Allied Specialists (Enlisted)
QRMC Category 130 DoD Occupational Code: 40, 41, 42, 43, 45, 49

This occupational category includes the following subcategories of Marines: photographers and photographic/audio/audiovisual specialists, construction and geodetic surveyors, construction drafters, graphics specialists, weather and meteorological personnel, explosive ordnance disposal technicians, musicians, spectrometric oil analysis technicians, nuclear, biological and chemical defense specialists, and firefighting/rescue specialists. The total for this category is 3,870 which is 2.2% of the current objective enlisted endstrength.



5. Occupation: Functional Support and Administration (Enlisted)
QRMC Category 131 DoD Occupation Code: 51, 52, 53, 54,
55, 56, 57

This occupational category includes the following subcategories of Marines: unit diary and administrative clerks, legal services specialists, personnel/administrative clerks, sergeant majors/first sergeants, computer systems operators, aircraft maintenance data analysis technicians, computer programmers, auditing/accounting/ bookkeeping technicians, financial records and disbursing clerks, maintenance specialists, logistics specialists, supply clerks, purchasing and contracting specialists, freight and passengers transportation clerks, postal clerks, aviation operations specialists, training and audiovisual specialists, journalists and public affairs chiefs. This DoD occupational category also includes recruiters and drug and alcohol abuse counselors. Marines in these subcategories fill them as billet assignments and are not included if their occupational field does not fall into this DoD category. The total for this category is 26,391 which is 15.3% of the current objective enlisted endstrength.

6. Occupation: Electrical/Mechanical Equipment Repairman
(Enlisted)
QRMC Category 132 DoD Occupational Code: 60, 61, 62, 63,
64, 67, 69

This occupational category includes the following subcategories of Marines: aircraft and helicopter mechanics, aircraft and helicopter engine mechanics, aircraft and helicopter safety equipment mechanics, aircraft and helicopter electrical systems technicians, aircraft and helicopter structures mechanics, automotive/recovery/ground support equipment mechanics, tracked vehicle repairers, engineer equipment mechanics, field and construction wiremen, central office installers, telephone technicians, small missile systems technicians weapons and ordnance technicians, infantry/artillery/tank weapons repairmen, ground nuclear ordnance technicians, aircraft ordnance technicians, office machine repairmen, optical equipment technicians, and reproduction equipment repairmen. The total for this category is 31,668 which is 18.3% of the current objective enlisted endstrength.

7. Occupation: Craftsman (Enlisted)
QRMC Category 133 DoD Occupation Code: 70, 71, 72, 74,
75, 76

This occupational category includes the following subcategories of Marines: metal workers, aircraft welders, body repair mechanics, machinists, well drillers, engineer equipment operators, refrigeration and utilities mechanics, electrical equipment repairmen, offset press operators, camera process operators, cryogenics equipment operators, and fabric repair specialists. The total for this category is 5,374 which is 3.1% of the current objective enlisted endstrength.

8. Occupation: Service and Supply Handlers (Enlisted)
QRMC Category 134 DoD Occupational Code: 80, 81, 82, 83,
84, 86

This occupational category includes the following subcategories of Marines: bakers, cooks, food service specialists, club managers, motor vehicle operators, bulk fuel specialists, warehouse and packaging specialists, exchange operators, military police and dog handlers, corrections specialists, criminal investigators, hygiene equipment operators, and air delivery/flight equipment specialists. The total for this category is 24,375 which is 14.1% of the current objective enlisted end strength.

9. Occupation: Non-Occupational (Enlisted)
QRMC Category 135 DoD Occupational Code: 95

This occupational category contains Marines in the subcategory "not occupationally qualified." This subcategory consists of aircraft and helicopter mechanic trainees, aircraft communications and electrical systems trainees, avionics technician trainees, aerial camera systems trainees, aircraft ordnance technician trainees, air support/control/ anti-air trainees, air traffic control and enlisted flight crews trainees and all other basic military occupation specialty trainees. The total for this category is 14,981 which is 8.7% of the total current objective enlisted end strength.

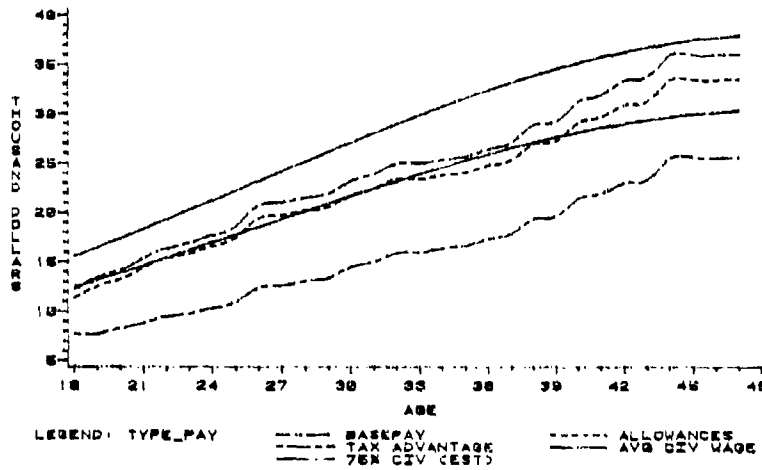
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| N-III.C. | 4. | USMC Other Technical and Allied Specialists |
| N-III.C. | 5. | USMC Functional Support and Administration |
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| N-III.C. | 7. | USMC Craftsmen |
| N-III.C. | 8. | USMC Service and Supply Handlers |
| N-III.C. | 9. | USMC Non-Occupational Students |
| N-III.C. | 10. | USMC Total Enlisted |

Figure N-III.C.1
USMC Infantry and Gun Crews

MILITARY PAYS VS CIVILIAN WAGES

USMC ENLISTED
OCCUPATION: INFANTRY



ANNUALIZED COST OF LEAVING

USMC ENLISTED
OCCUPATION: INFANTRY

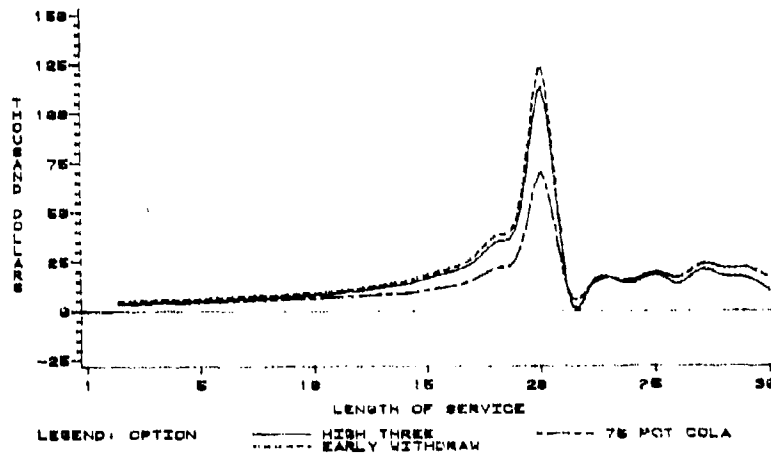
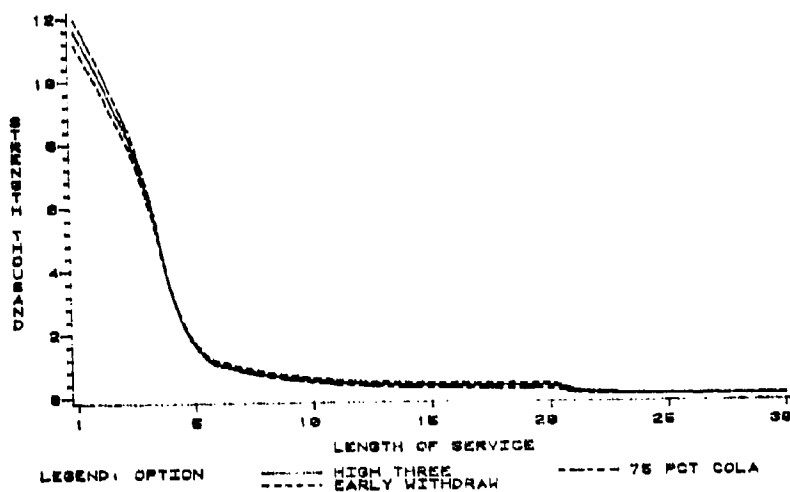


Figure N-III.C.1 (Cont)

FORCE STRUCTURE

USMC ENLISTED
OCCUPATION: INFANTRY



SURVIVAL RATES

USMC ENLISTED
OCCUPATION: INFANTRY

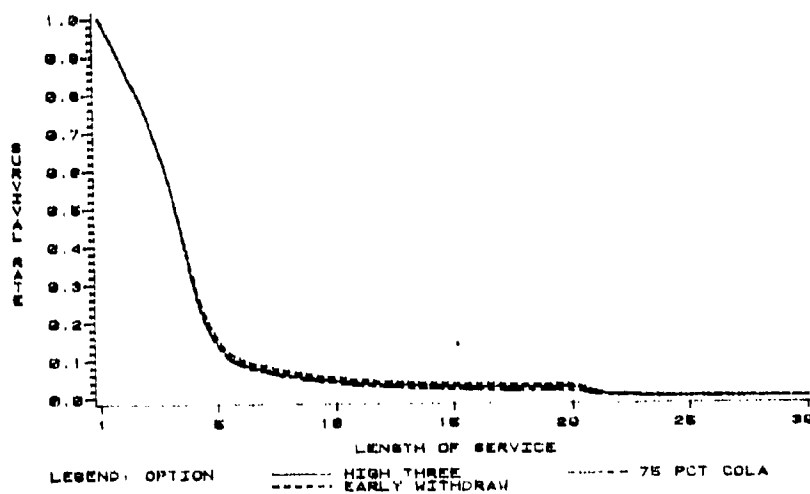
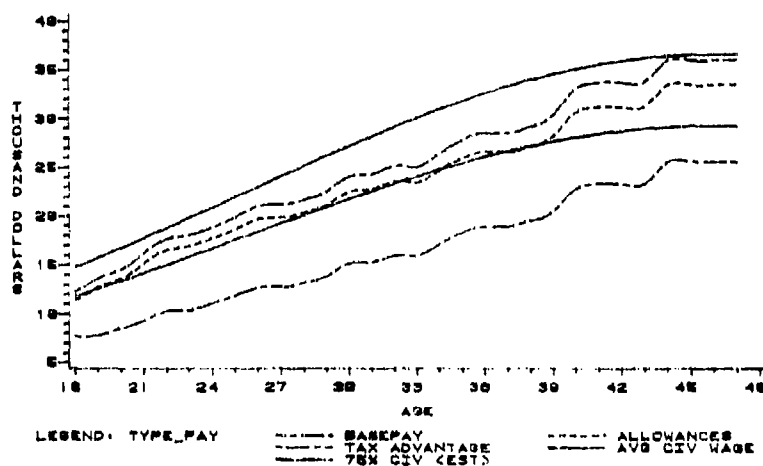


Figure N-III.C.2
USMC Electronic Equipment Repairmen

MILITARY PAYS VS CIVILIAN WAGES

USMC ENLISTED
OCCUPATION: ELEC-RPR



ANNUALIZED COST OF LEAVING

USMC ENLISTED
OCCUPATION: ELEC-RPR

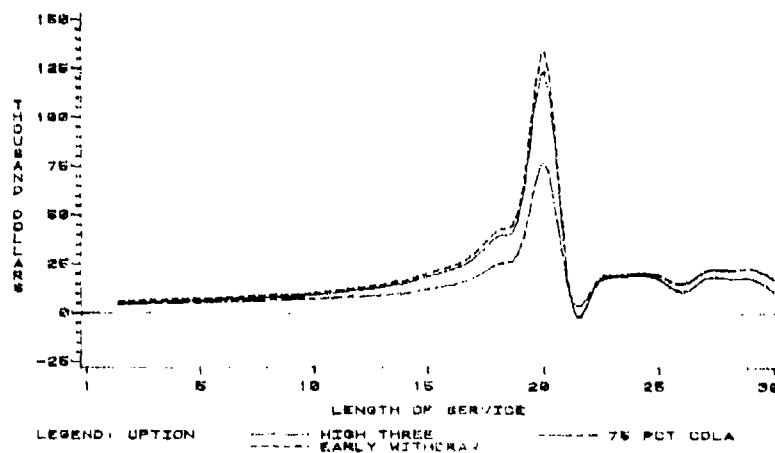
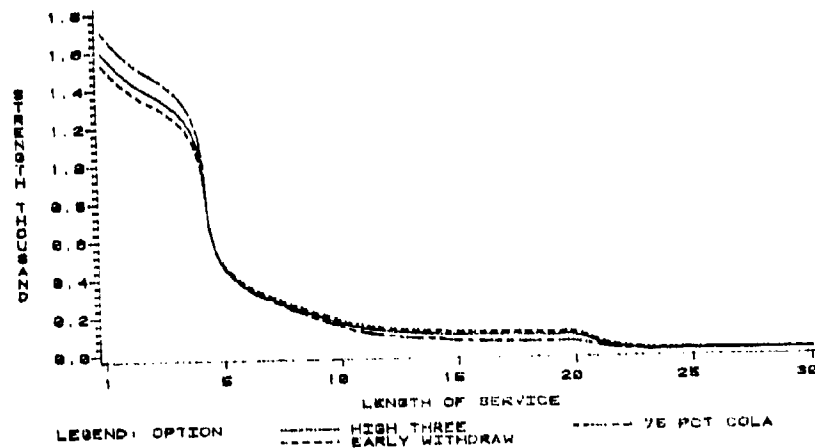


Figure N-III.C.2 (Cont)

FORCE STRUCTURE

USMC ENLISTED
OCCUPATION: ELEC-RPR



SURVIVAL RATES

USMC ENLISTED
OCCUPATION: ELEC-RPR

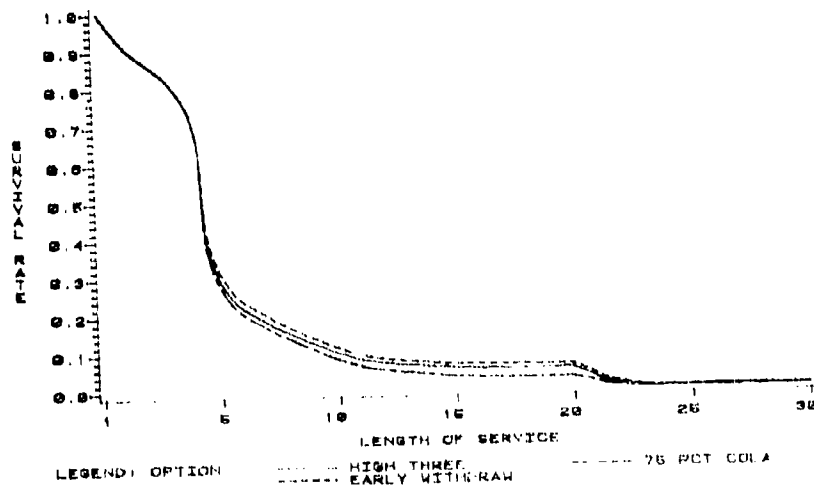
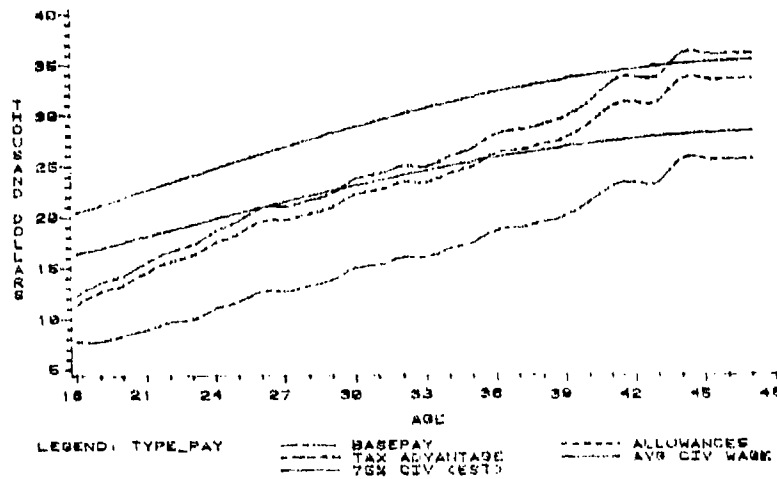


Figure N-III.C.3
USMC Communications and Intelligence Specialists

MILITARY PAYS VS CIVILIAN WAGES

USMC ENLISTED
OCCUPATION: COM-INTEL



ANNUALIZED COST OF LEAVING

USMC ENLISTED
OCCUPATION: COM-INTEL

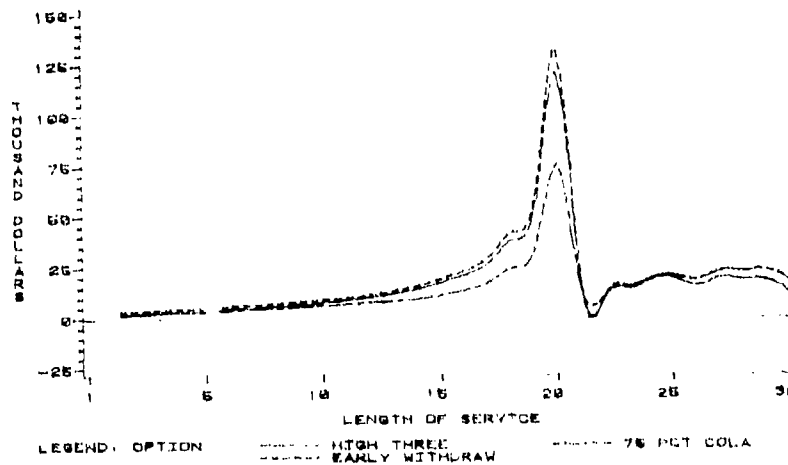
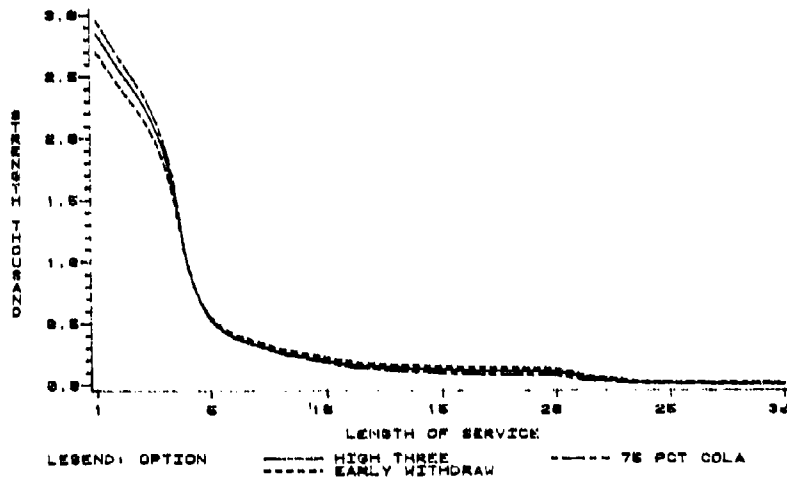


Figure N-III.C.3 (Cont)

FORCE STRUCTURE

USMC ENLISTED
OCCUPATION: COM-INTL



SURVIVAL RATES

USMC ENLISTED
OCCUPATION: COM-INTL

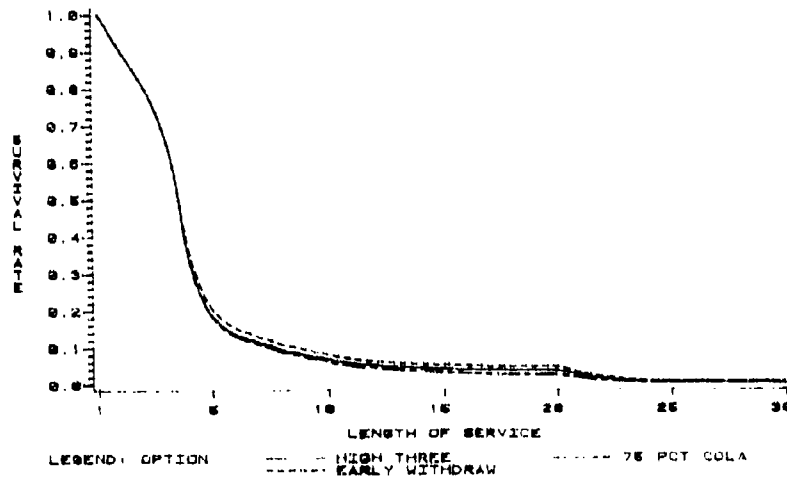
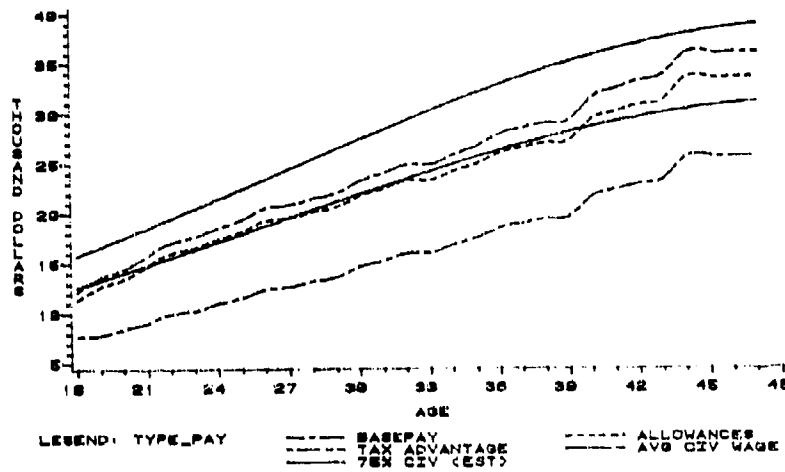


Figure N-III.C.4
USMC Other Technical and Allied Specialists

MILITARY PAYS VS CIVILIAN WAGES

USMC ENLISTED
OCCUPATION: TECHSPEC



ANNUALIZED COST OF LEAVING

USMC ENLISTED
OCCUPATION: TECHSPEC

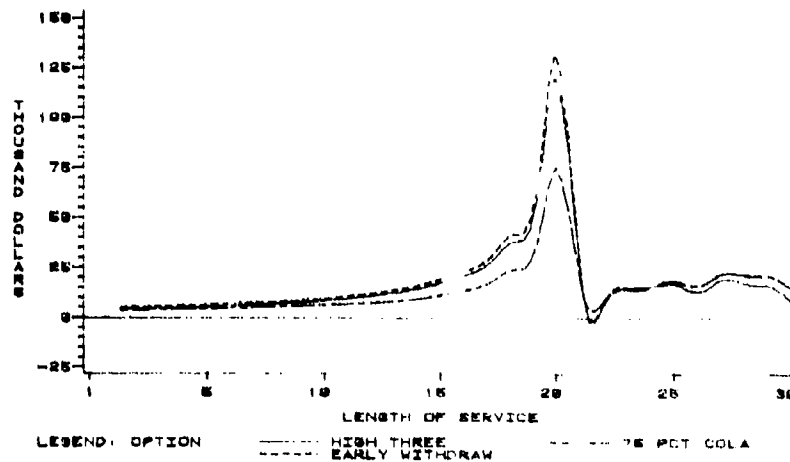
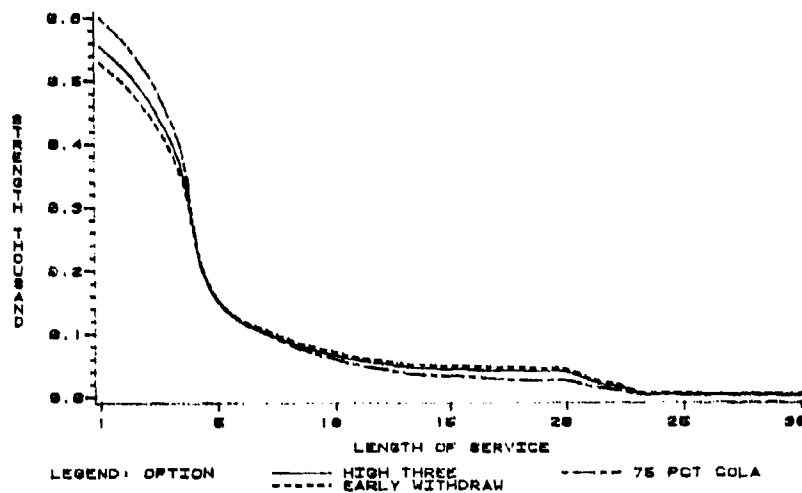


Figure N-III.C.4 (Cont)

FORCE STRUCTURE

USMC ENLISTED
OCCUPATION: TECHSPEC



SURVIVAL RATES

USMC ENLISTED
OCCUPATION: TECHSPEC

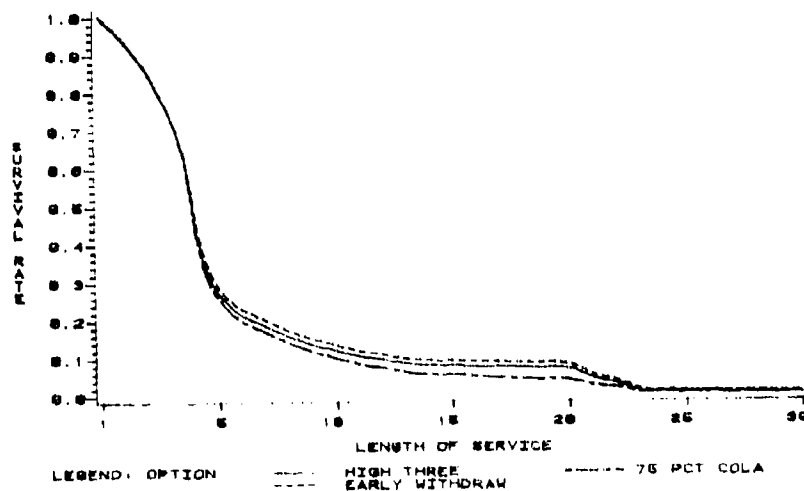
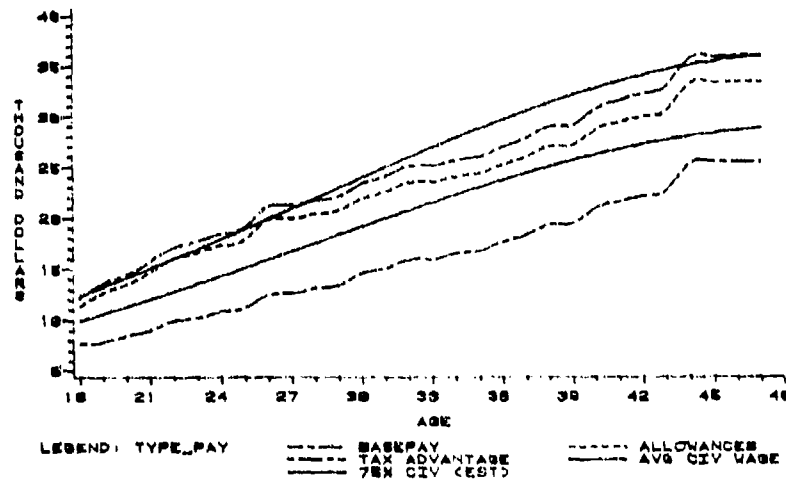


Figure N-III.C.5
USMC Functional Support and Administration

MILITARY PAYS VS CIVILIAN WAGES

USMC ENLISTED
OCCUPATION: ADMIN



ANNUALIZED COST OF LEAVING

USMC ENLISTED
OCCUPATION: ADMIN

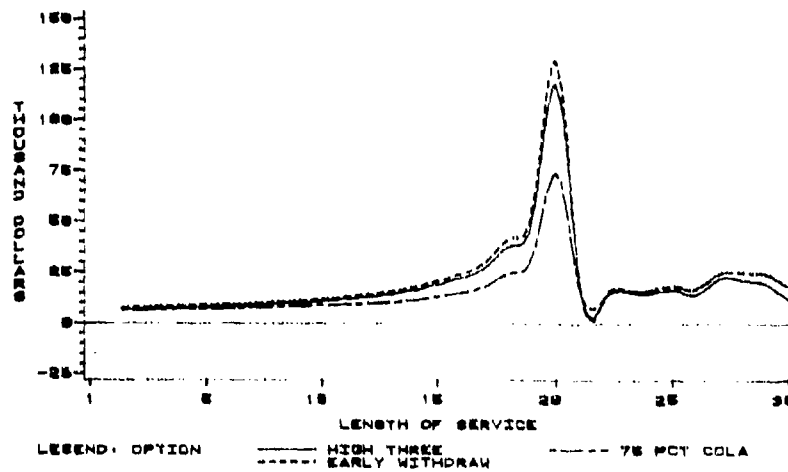
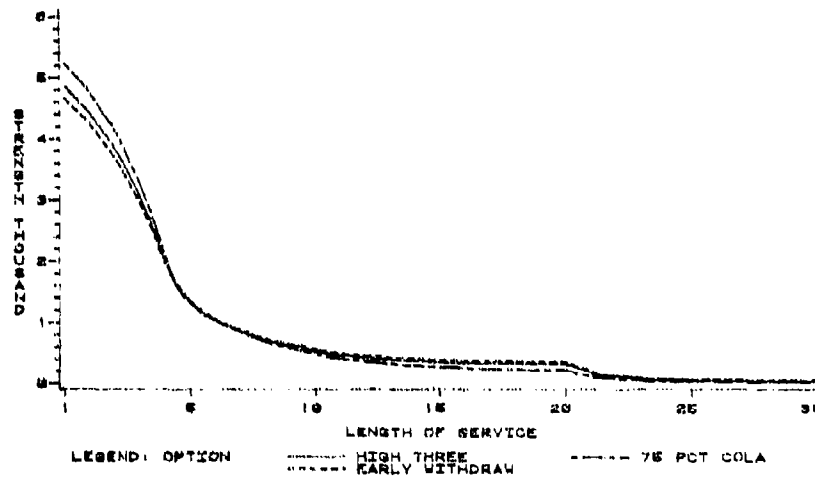


Figure N-III.C.5 (Cont)

FORCE STRUCTURE

USMC ENLISTED
OCCUPATION: ADMIN



SURVIVAL RATES

USMC ENLISTED
OCCUPATION: ADMIN

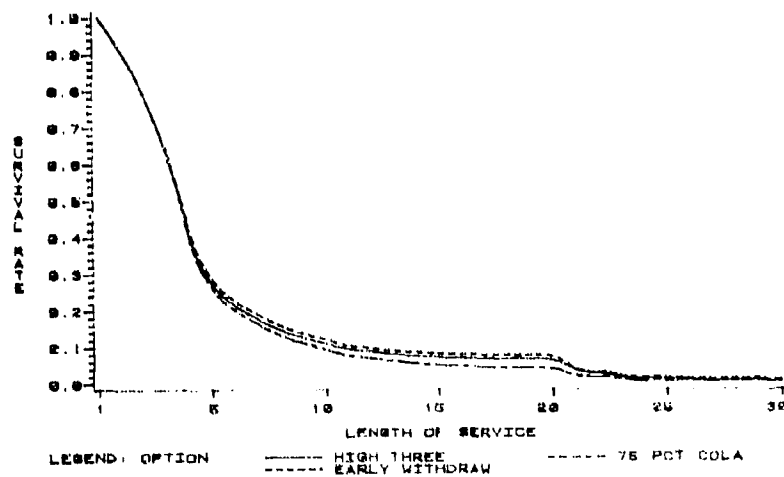
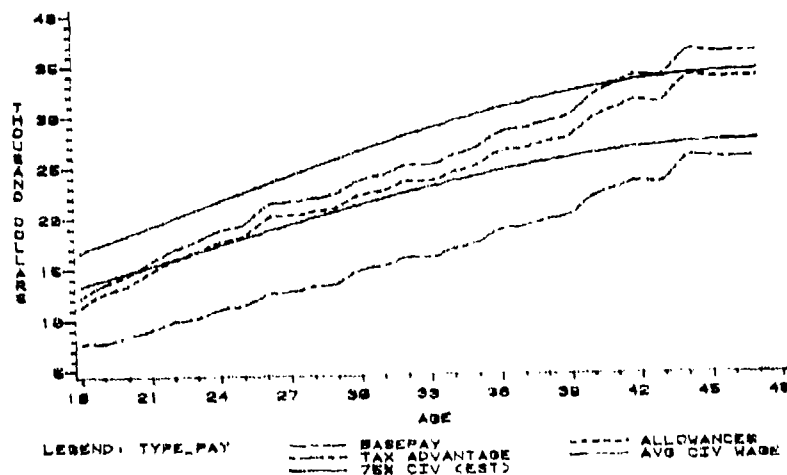


Figure N-111.C.6
USMC Electrical/Mechanical Equipment Repairmen

MILITARY PAYS VS CIVILIAN WAGES

USMC ENLISTED
OCCUPATION: ELECMECH



ANNUALIZED COST OF LEAVING

USMC ENLISTED
OCCUPATION: ELECMECH

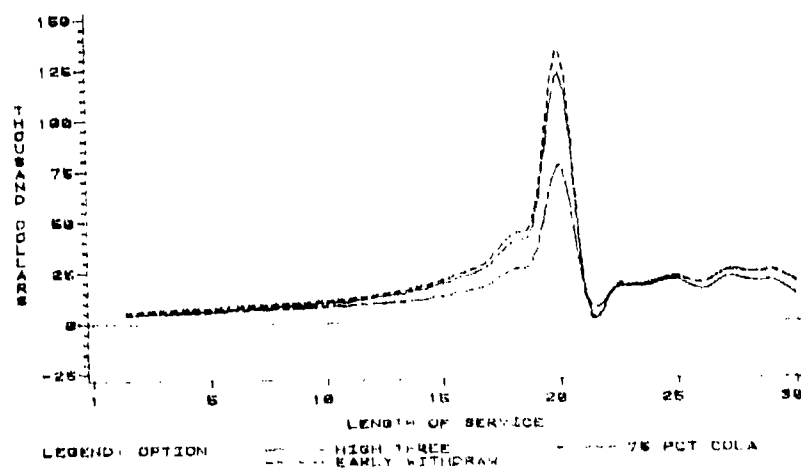
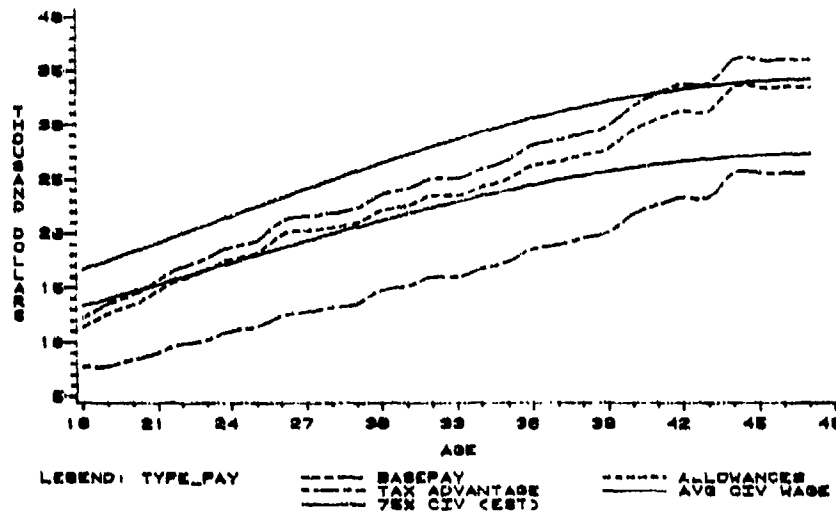


Figure N-III.C.6
USMC Electrical/Mechanical Equipment Repairmen

MILITARY PAYS VS CIVILIAN WAGES

USMC ENLISTED
OCCUPATION: ELECMECH



ANNUALIZED COST OF LEAVING

USMC ENLISTED
OCCUPATION: ELECMECH

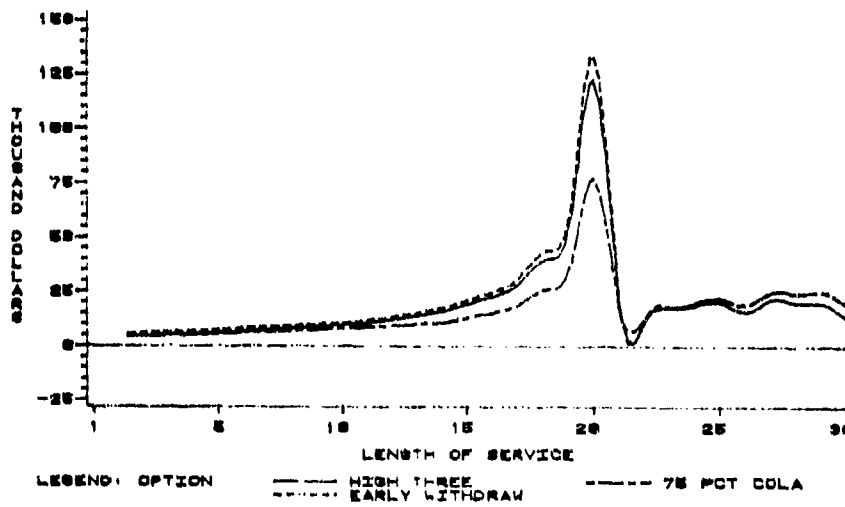
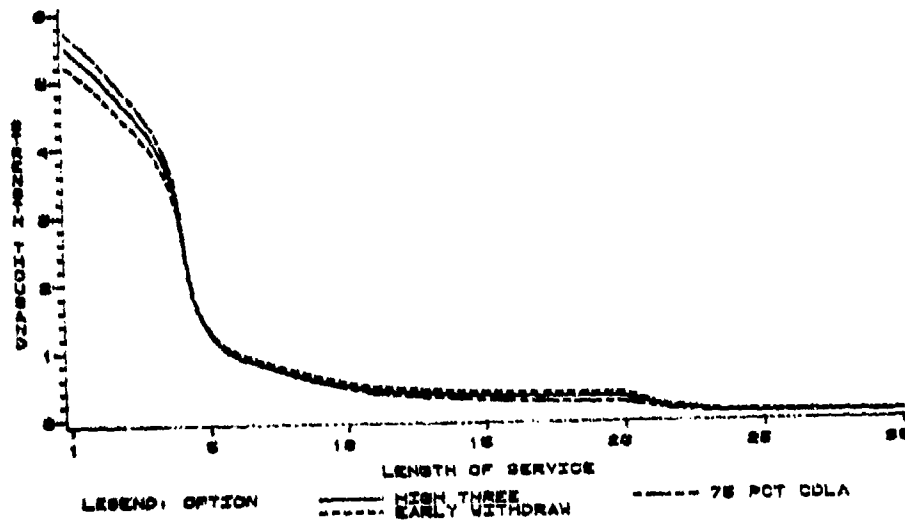


Figure N-III.C.6 (Cont)

FORCE STRUCTURE

USMC ENLISTED
OCCUPATION: ELECMECH



SURVIVAL RATES

USMC ENLISTED
OCCUPATION: ELECMECH

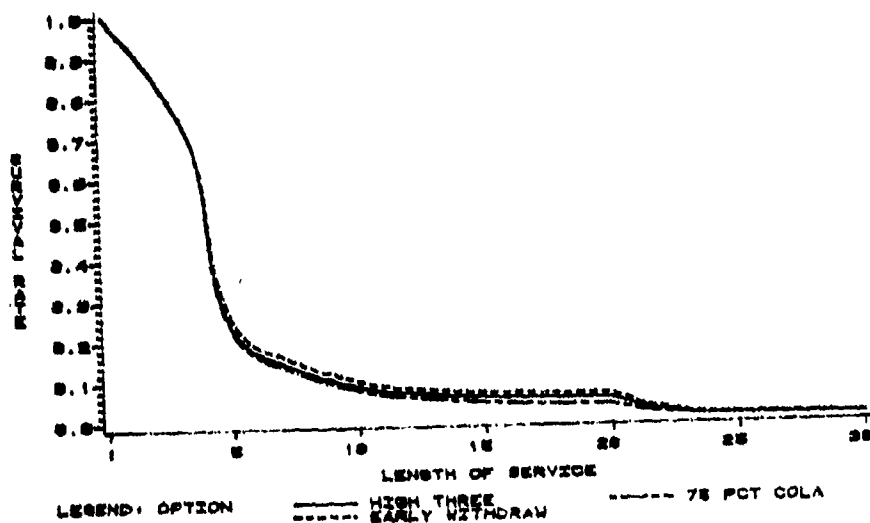
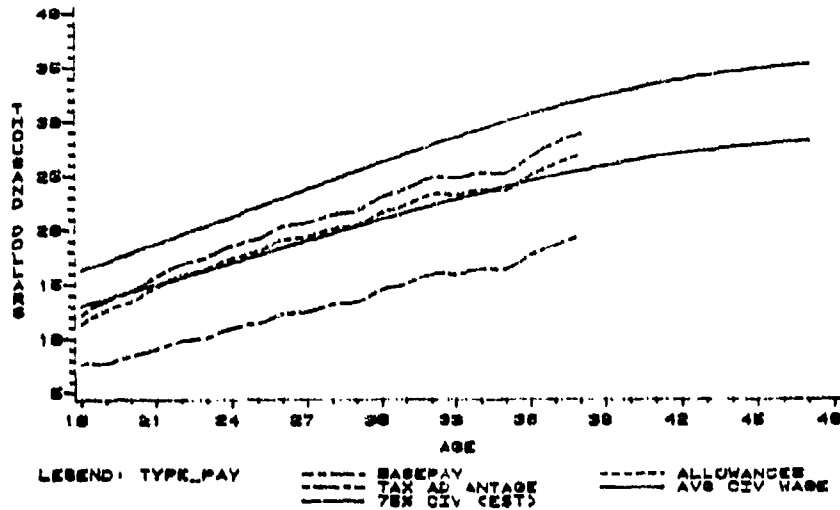


Figure N-III.C.7
USMC Craftsmen

MILITARY PAYS VS CIVILIAN WAGES

USMC ENLISTED
OCCUPATION: CRAFTSMEN



ANNUALIZED COST OF LEAVING

USMC ENLISTED
OCCUPATION: CRAFTSMEN

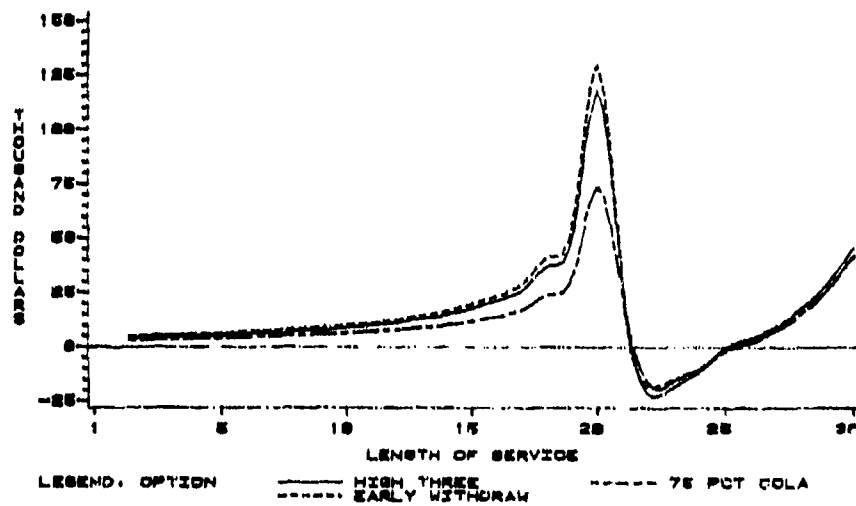
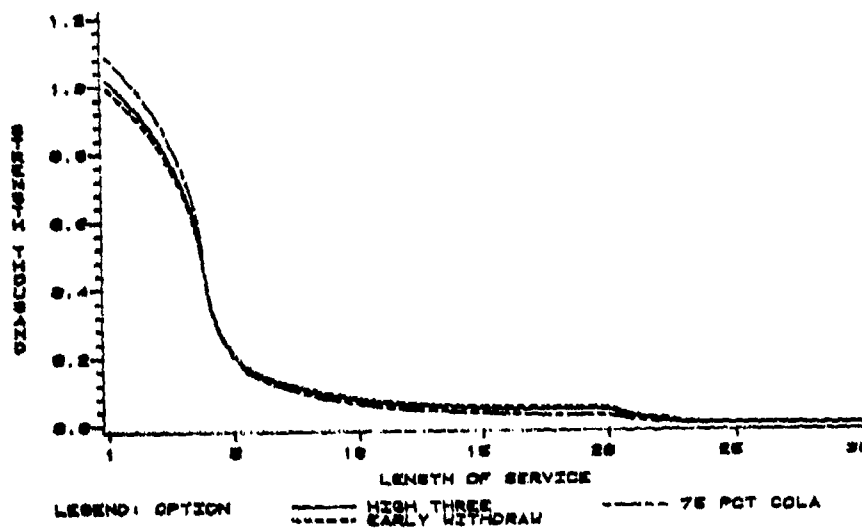


Figure N-III.C.7 (Cont)

FORCE STRUCTURE

USMC ENLISTED
OCCUPATION: CRAFTMEN



SURVIVAL RATES

USMC ENLISTED
OCCUPATION: CRAFTMEN

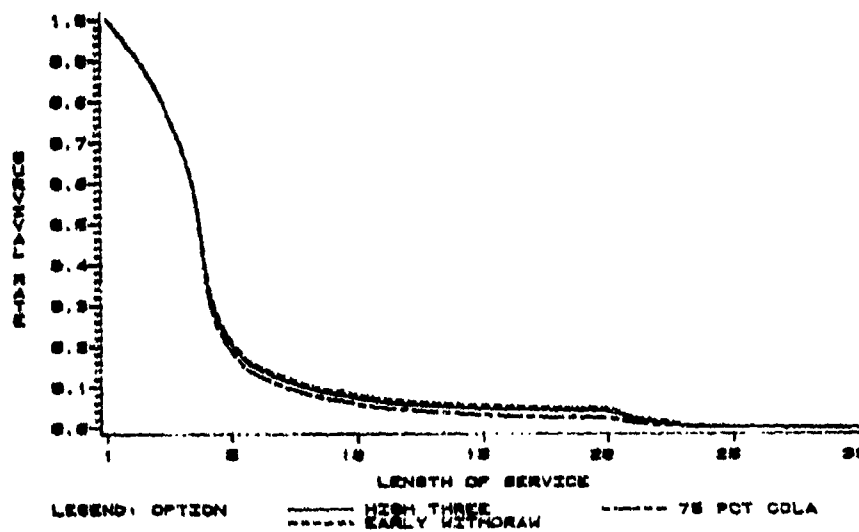
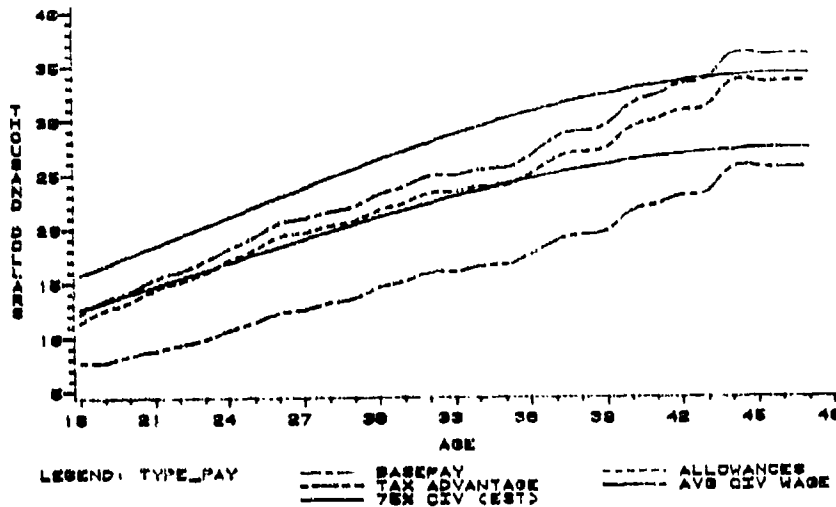


Figure N-III.C.8
USMC Service and Supply Handlers

MILITARY PAYS VS CIVILIAN WAGES

USMC ENLISTED
OCCUPATION: SUPPLY



ANNUALIZED COST OF LEAVING

USMC ENLISTED
OCCUPATION: SUPPLY

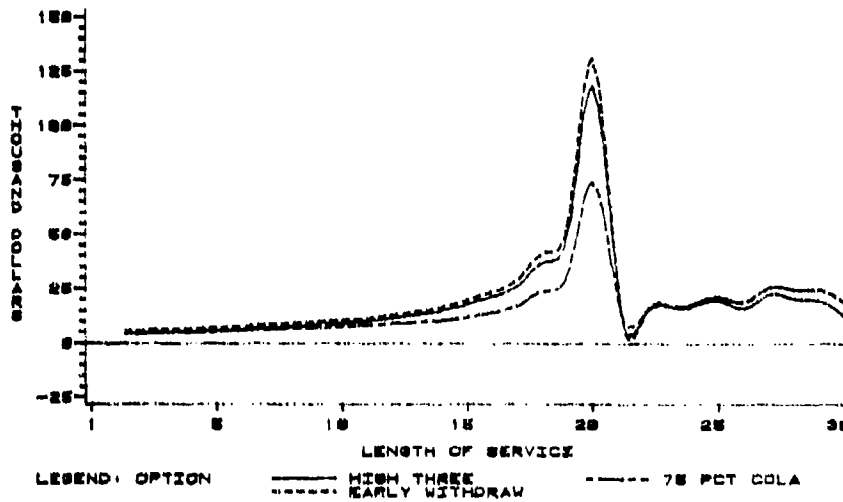
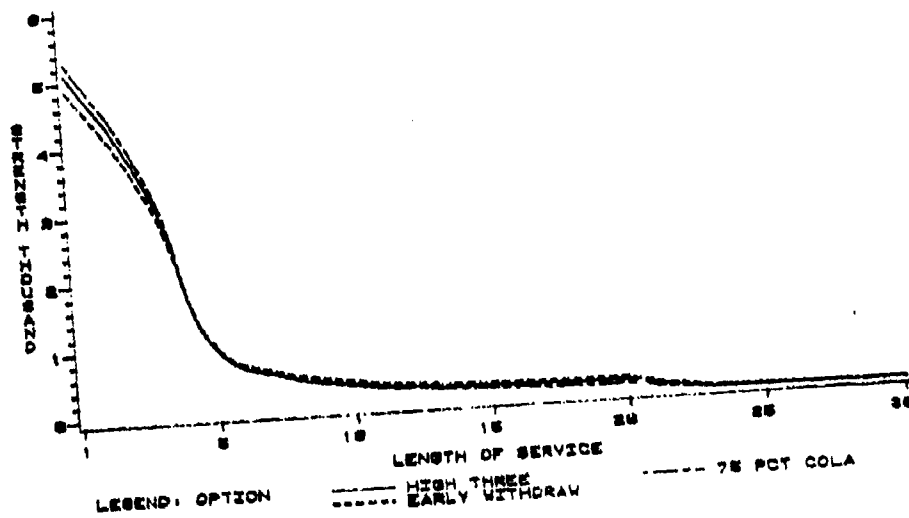


Figure N-III.C.8 (Cont)

FORCE STRUCTURE

USMC ENLISTED
OCCUPATION: SUPPLY



SURVIVAL RATES

USMC ENLISTED
OCCUPATION: SUPPLY

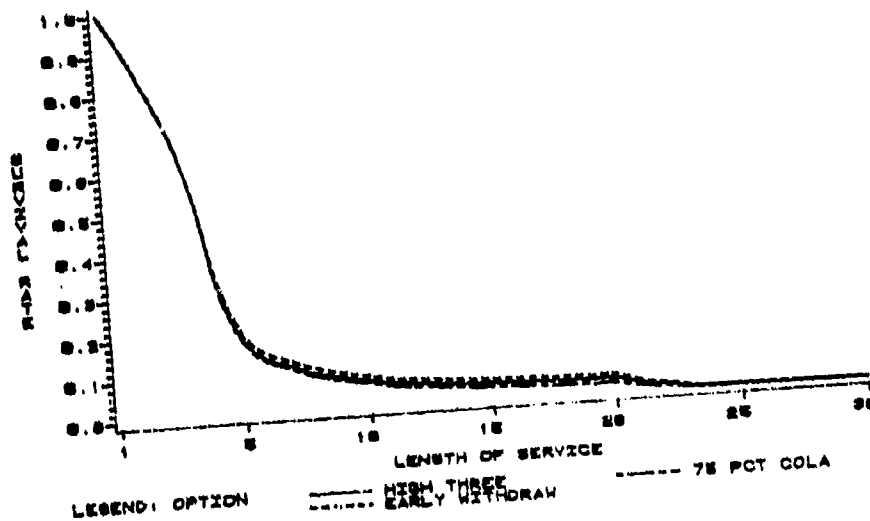
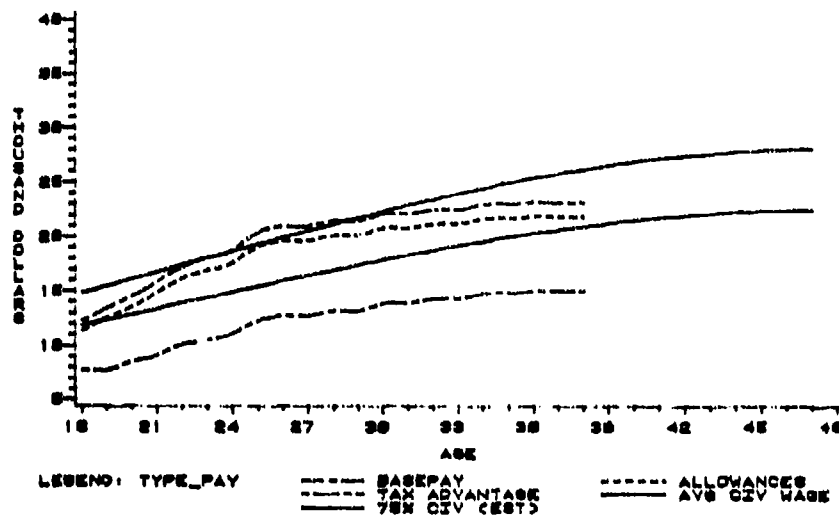


Figure N-III.C.9
USMC Non-Occupational Students

MILITARY PAYS VS CIVILIAN WAGES

USMC ENLISTED
OCCUPATION: STUDENTS



ANNUALIZED COST OF LEAVING

USMC ENLISTED
OCCUPATION: STUDENTS

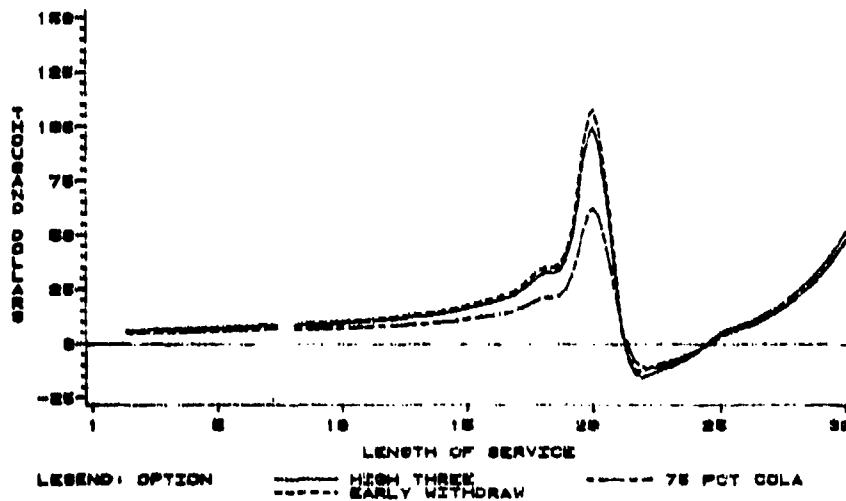
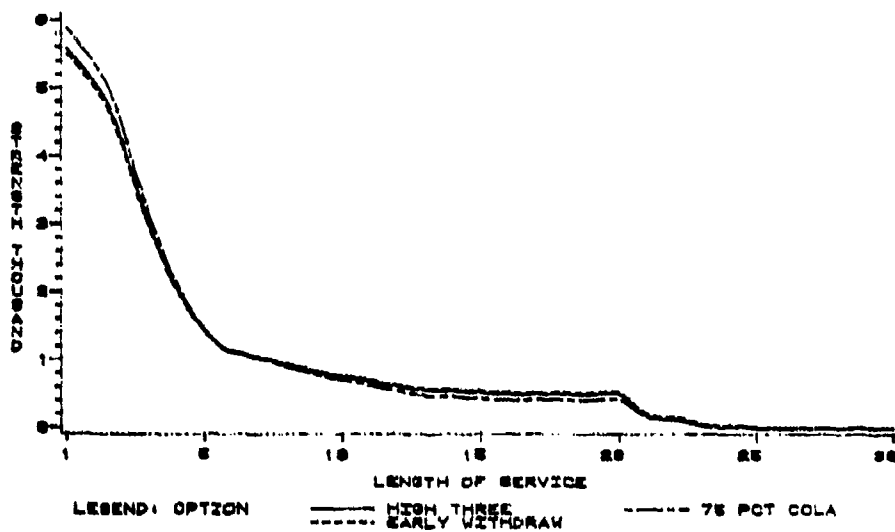


Figure N-III.C.9 (Cont)

FORCE STRUCTURE

USMC ENLISTED
OCCUPATION: STUDENTS



SURVIVAL RATES

USMC ENLISTED
OCCUPATION: STUDENTS

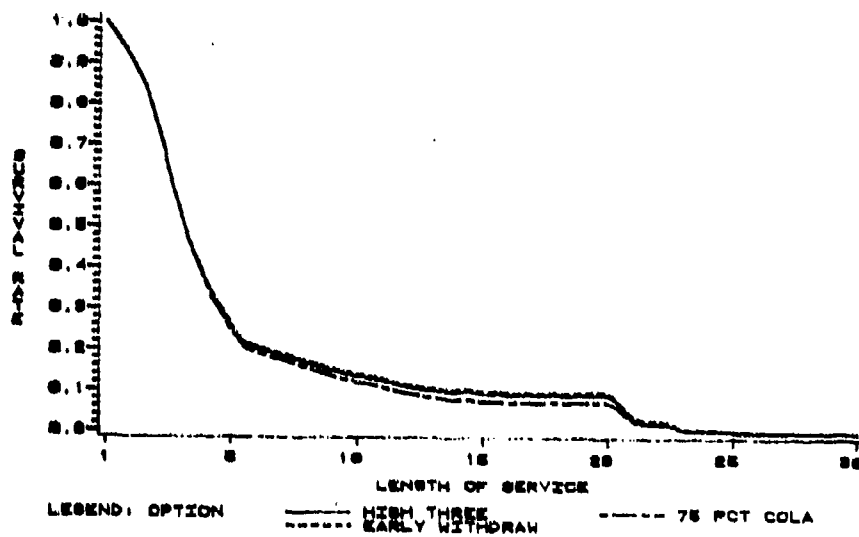
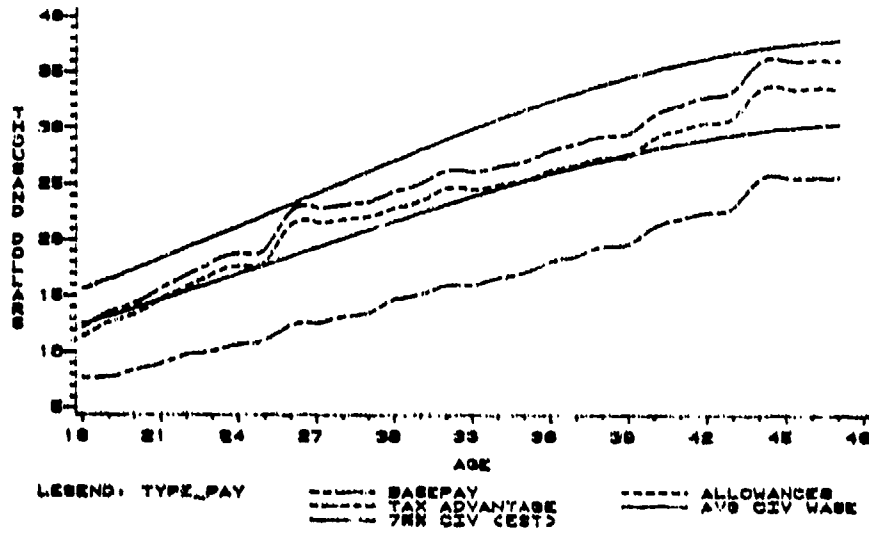


Figure N-III.C.10
USMC Total Enlisted

MILITARY PAYS VS CIVILIAN WAGES

USMC ENLISTED
OCCUPATION: TOTAL



ANNUALIZED COST OF LEAVING

USMC ENLISTED
OCCUPATION: TOTAL

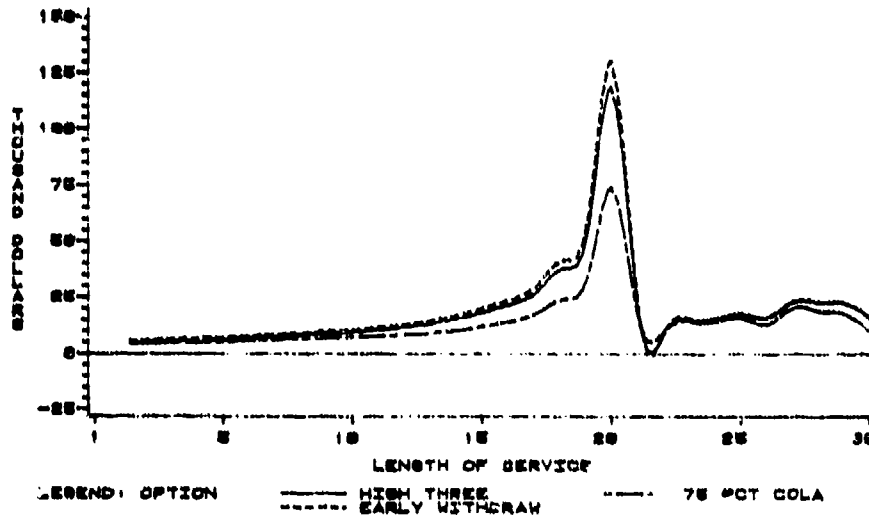
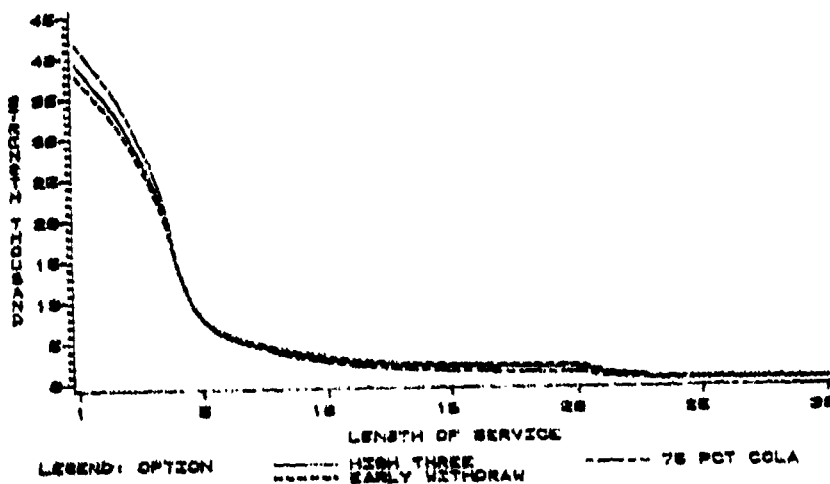


Figure N-III.C.10 (Cont)

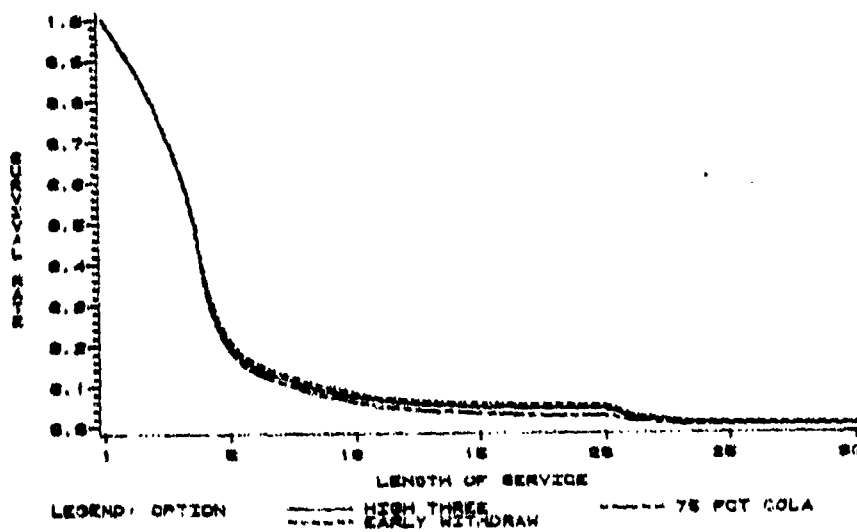
FORCE STRUCTURE

USMC ENLISTED
OCCUPATION: TOTAL



SURVIVAL RATES

USMC ENLISTED
OCCUPATION: TOTAL



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D. USAF ENLISTED OCCUPATIONAL GROUP DEFINITIONS

1. Occupation: Infantry and Gun Crews (Enlisted)
QRMC Category: 126 DOD Occupation Code: 01, 05, 07

This occupational category includes the following subcategories: Military training instructors, aircrew members, and installation security specialists. The current objective endstrength for this category is 33309 which is 7% of the total current objective enlisted endstrength.

2. Occupation: Electronic Equipment Repairmen (Enlisted)
QRMC Category: 127 DOD Occupation Code: 10-12, 14-16, 19

This occupational category includes the following subcategories: Radio and radar repairmen, electronic fire control systems repairmen, missile systems maintenance specialists, nuclear weapons specialists, computer specialists, telecommunications and cryptographic equipment specialists, and other electronic equipment specialists. The current objective endstrength for this category is 63028 which is 13% of the total current objective enlisted endstrength.

3. Occupation: Communications and Intelligence Specialists (Enlisted)
QRMC Category: 128 DOD Occupation Code: 20, 22-26

This occupational category includes the following subcategories: Radio and radio code operators, radar and air traffic control operators, signal intelligence specialists, intelligence specialists, combat operations controllers, and communication operators. The current objective endstrength for this category is 35767 which is 8% of the total current objective enlisted endstrength.

4. Occupation: Medical and Dental Specialists (Enlisted)
QRMC Category: 129 DOD Occupation Code: 30-33

This occupational category includes the following subcategories: Medical care specialists, technical medical specialists, veterinary and preventive medical services specialists and dental care specialists. The current objective endstrength for this category is 21697 which is 5% of the total current objective enlisted endstrength.

5. Occupation: Other Technical and Allied Specialists (Enlisted)
QRMC Category: 130 DOD Occupation Code: 40-43, 45, 49

This occupational category includes the following subcategories: photographic specialists, weather specialists, ordnance disposal specialists, musicians, and other technical specialists. The current objective endstrength for this category is 17734 which is 4% of the total current objective enlisted endstrength.

6. Occupation: Functional Support and Administration (Enlisted)
QRMC Category: 131 DOD Occupational Code: 50-57

This occupational category includes the following subcategories: Personnel specialists, legal and medical administrators, first sergeants, data processing specialists, accounting and finance specialists, other functional support specialists, religious and morale specialists, and information and education specialists. The current objective endstrength for this category is 108262 which is 23% of the total current objective enlisted endstrength.

7. Occupation: Electrical/Mechanical Equipment Repairman
QRMC Category: 132 DOD Occupation Code: 60-66

This occupational category includes the following subcategories: Aircraft mechanics, automotive mechanics, wire communications repairmen, missile maintenance specialists, small arms and munitions specialists, marine specialists, and electrical power production specialists. The current objective endstrength for this category is 119494 which is 25% of the total current objective enlisted endstrength.

8. Occupation: Craftsmen
QRMC Category: 133 DOD Occupation Code: 70-72, 74, 76

This occupational category includes the following subcategories: Metal workers, construction specialists, utilities specialists, reprographic specialists, and fabrication and inspection specialists. The current objective endstrength for this category is 28112 which is 6% of the total current objective enlisted endstrength.

9. Occupation: Service and Supply Handlers
QRMC Category: 134 DOD Occupation Code: 80-83, 86

This occupational category includes the following subcategories: Food service specialists, mess managers and airmen aides, motor vehicle operators, material receipt and storage specialists, law enforcement specialists, and aircrew life support specialists. The current objective endstrength for this category is 47243 which is 10% of the total current objective enlisted endstrength.

10. Occupation: Non-occupational
QRMC Category: 135 DOD Occupation Code: 90-95

This occupational category includes the following subcategories: Patients, prisoners, officer trainees, airman awaiting discharge/ separation/retirement, airman awaiting retaining, basic airman.

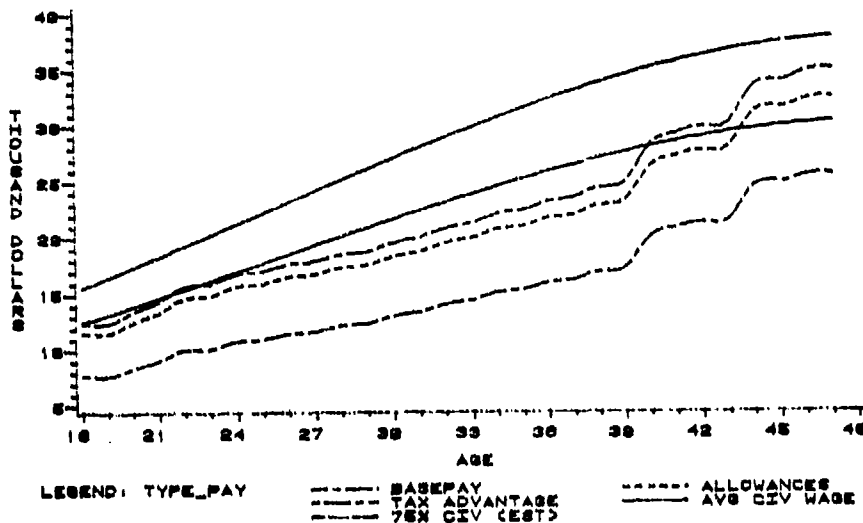
List of Figures (USAF Enlisted)

- N-III.D. 1. USAF Infantry and Gun Crew
- N-III.D. 2. USAF Electronic Equipment Repairmen
- N-III.D. 3. USAF Communications and Intelligence Specialists
- N-III.D. 4. USAF Medical and Dental Specialists
- N-III.D. 5. USAF Other Technical and Allied Specialists
- N-III.D. 6. USAF Functional Support and Administration
- N-III.D. 7. USAF Electrical/Mechanical Equipment Repairmen
- N-III.D. 8. USAF Craftsmen
- K-III.D. 9. USAF Service and Supply Handlers
- N-III.D. 10. USAF Non-Occupational Students
- N-III.D. 11. USAF Total Enlisted

Figure N-III.D.1
USAF Infantry and Gun Crew

MILITARY PAYS VS CIVILIAN WAGES

USAF ENLISTED
OCCUPATION: AIRMEN



ANNUALIZED COST OF LEAVING

USAF ENLISTED
OCCUPATION: AIRMEN

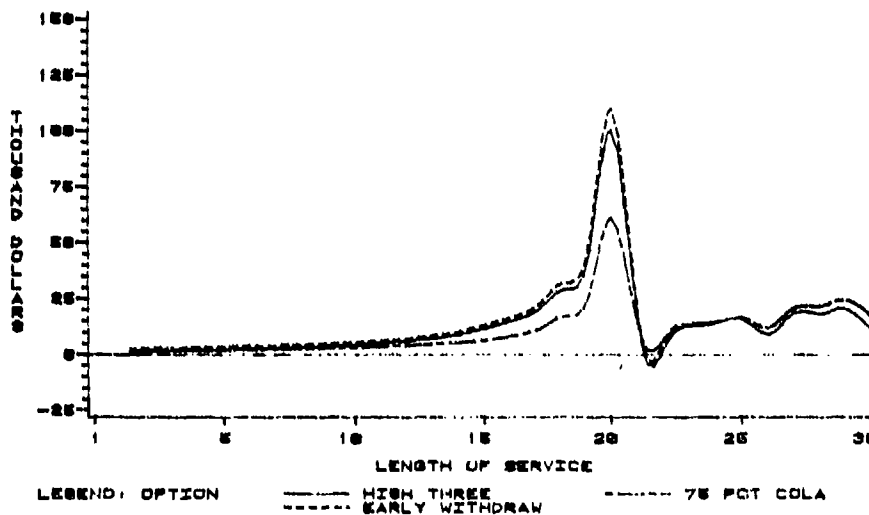
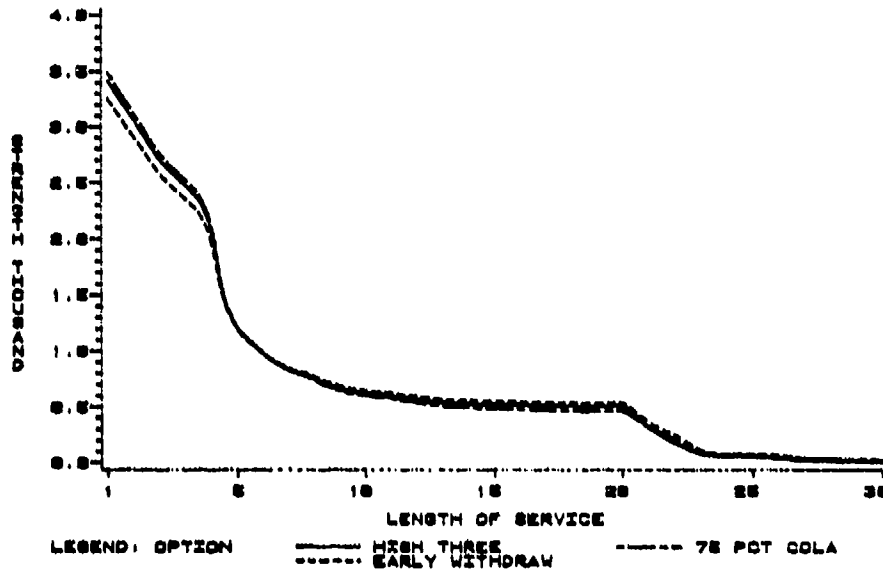


Figure N-III.D.1 (Cont)

FORCE STRUCTURE

USAF ENLISTED
OCCUPATION: AIRMEN



SURVIVAL RATES

USAF ENLISTED
OCCUPATION: AIRMEN

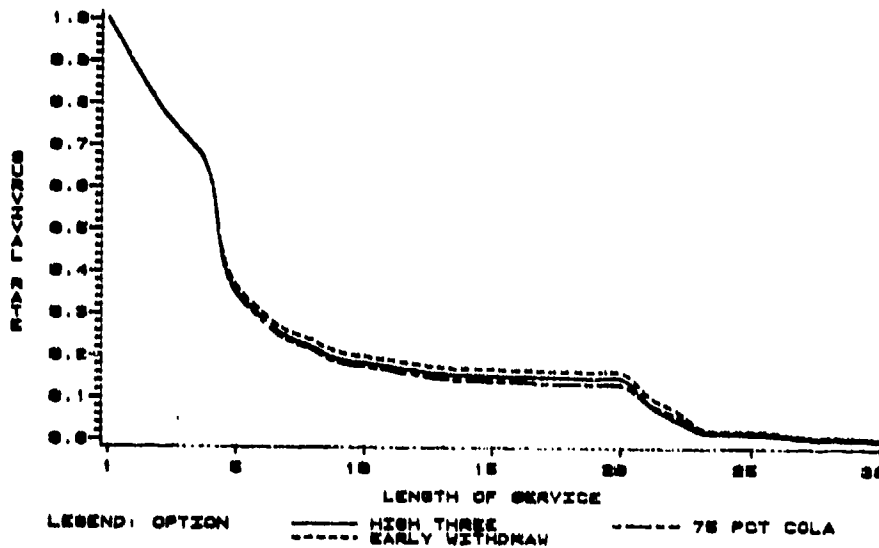
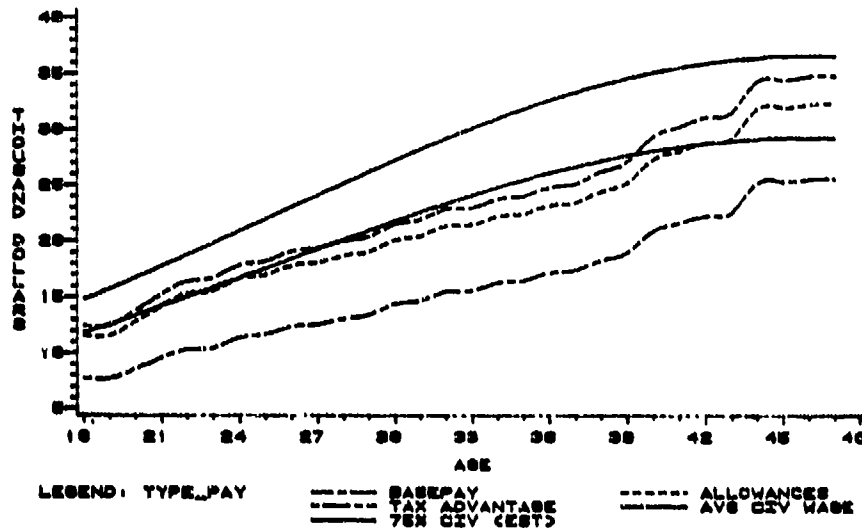


Figure N-III.D.2
USAF Electronic Equipment Repair

MILITARY PAYS VS CIVILIAN WAGES

USAF ENLISTED
OCCUPATION: ELEC-RPR



ANNUALIZED COST OF LEAVING

USAF ENLISTED
OCCUPATION: ELEC-RPR

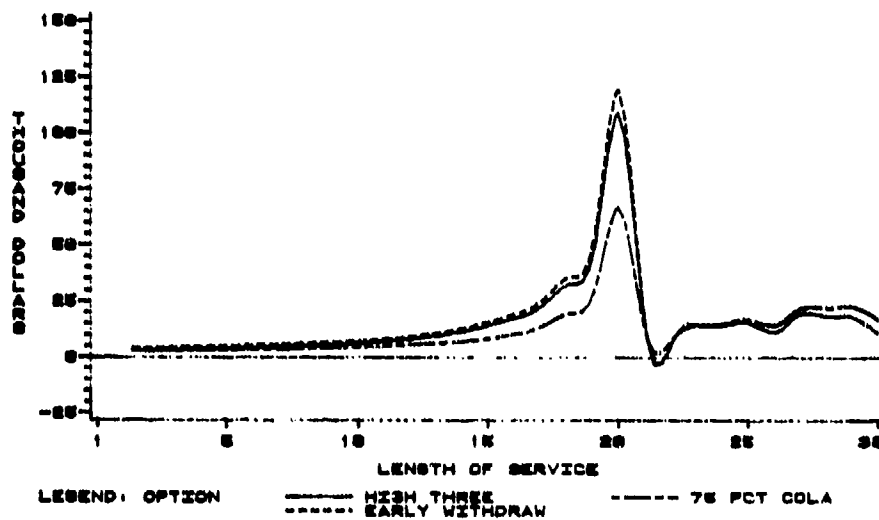
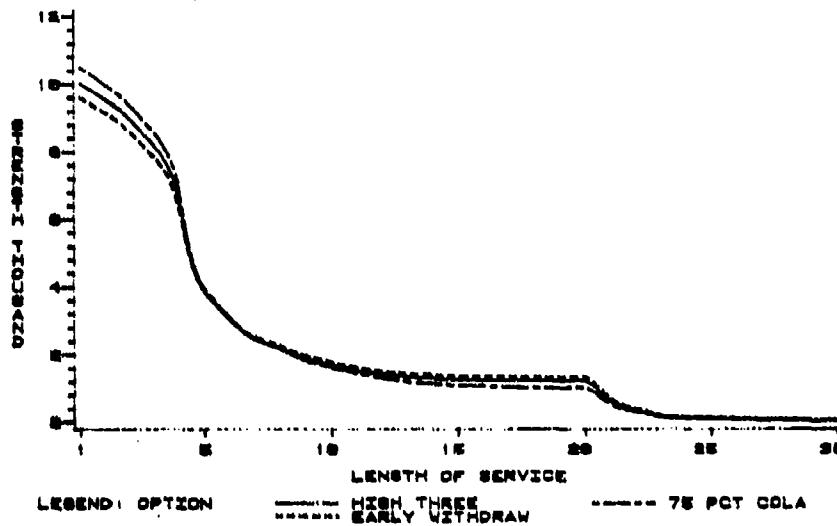


Figure N-III.D.2 (Cont)

FORCE STRUCTURE

USAF ENLISTED
OCCUPATION: ELEC-RPR



SURVIVAL RATES

USAF ENLISTED
OCCUPATION: ELEC-RPR

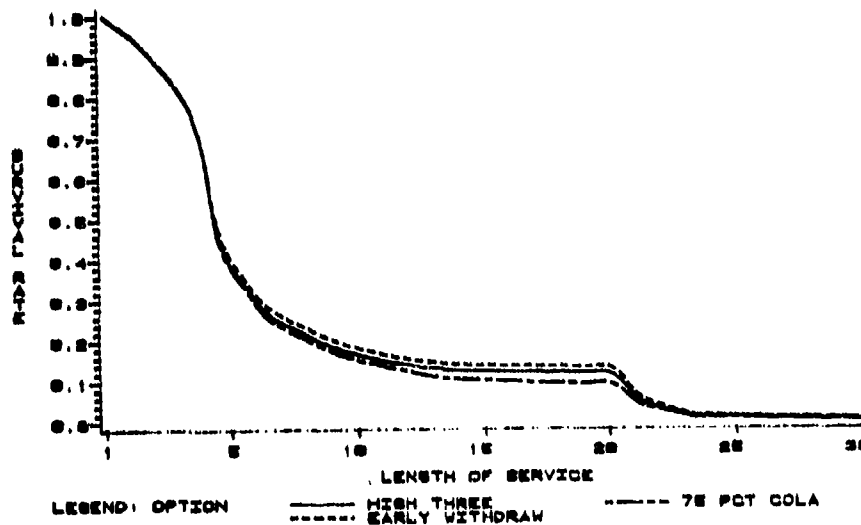
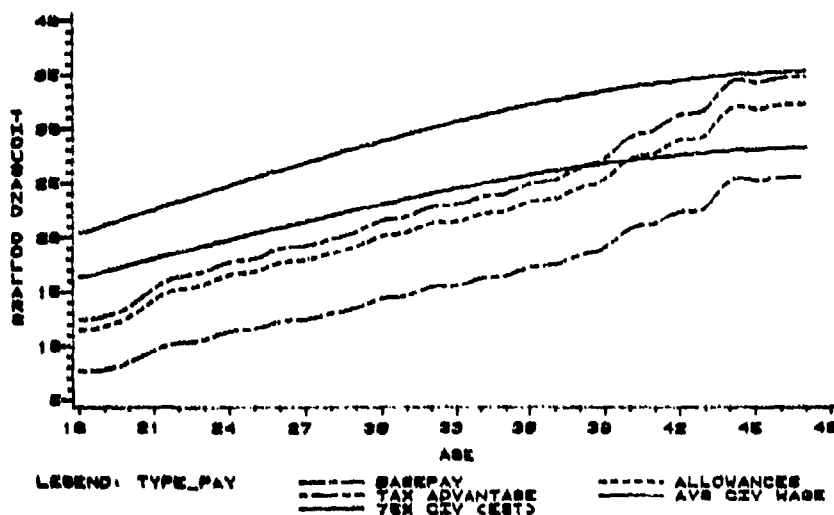


Figure N-III.D.3
USAF Communications and Intelligence Specialists

MILITARY PAYS VS CIVILIAN WAGES

USAF ENLISTED
OCCUPATION: COM-INTL



ANNUALIZED COST OF LEAVING

USAF ENLISTED
OCCUPATION: COM-INTL

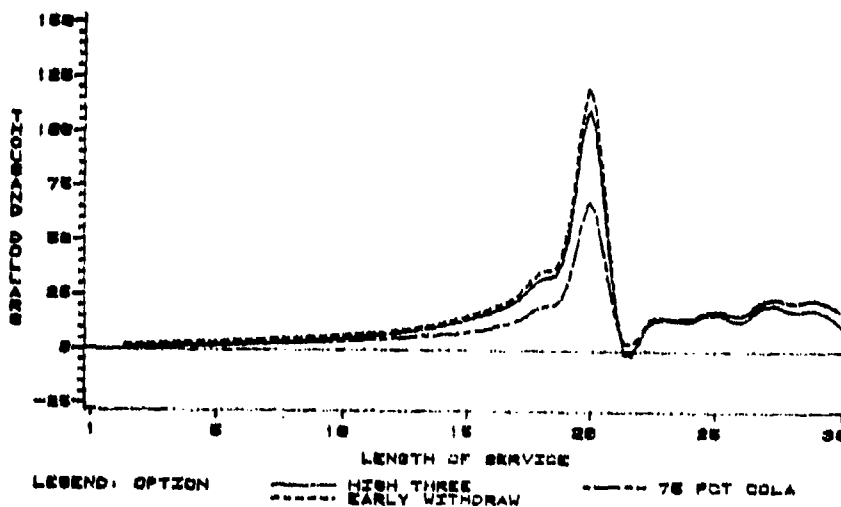
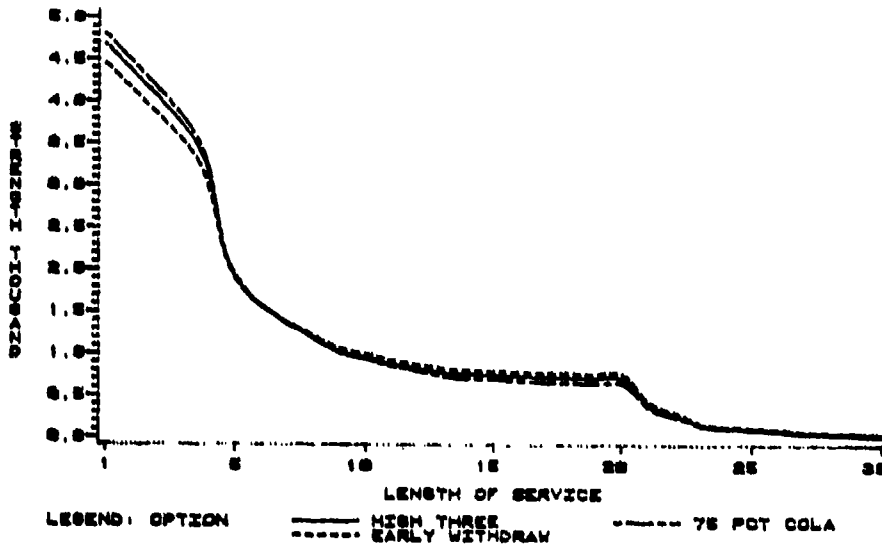


Figure N-III.D.3 (Cont)

FORCE STRUCTURE

USAF ENLISTED
OCCUPATION: COM-INTL



SURVIVAL RATES

USAF ENLISTED
OCCUPATION: COM-INTL

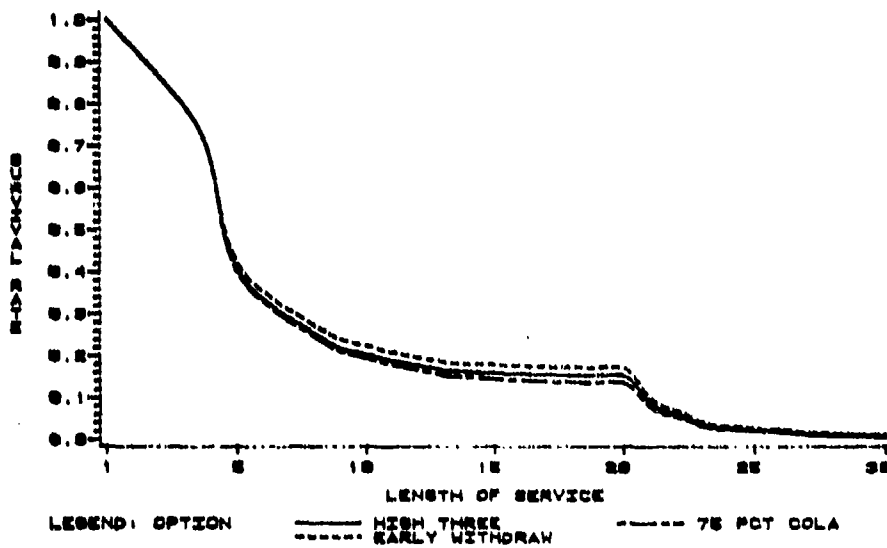
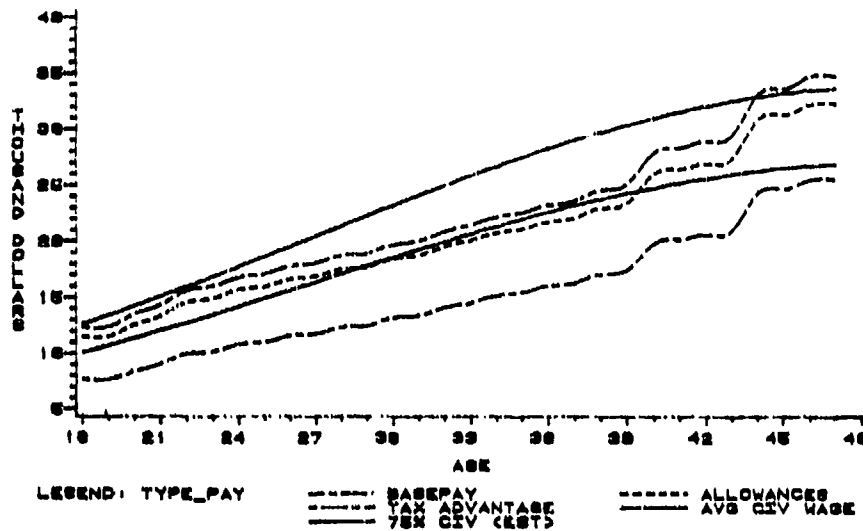


Figure N-III.D.4
USAF Medical and Dental Specialists

MILITARY PAYS VS CIVILIAN WAGES

USAF ENLISTED
OCCUPATION: MEDICAL



ANNUALIZED COST OF LEAVING

USAF ENLISTED
OCCUPATION: MEDICAL

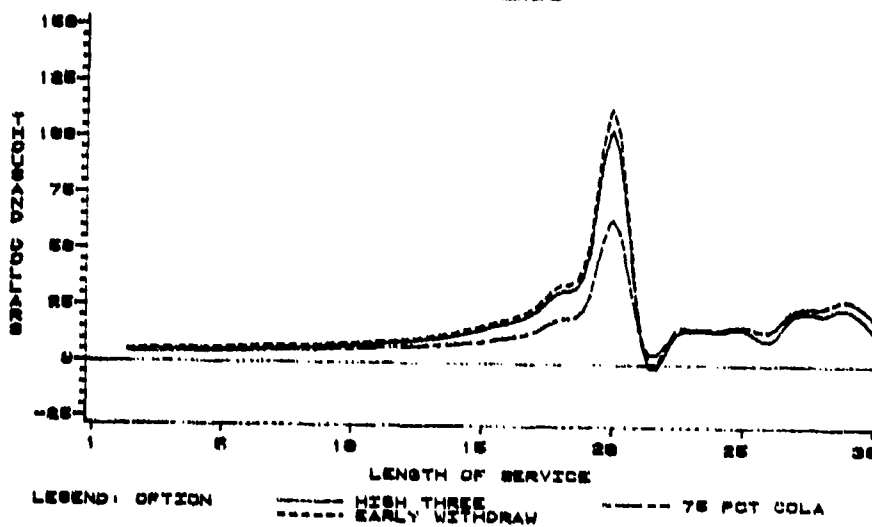
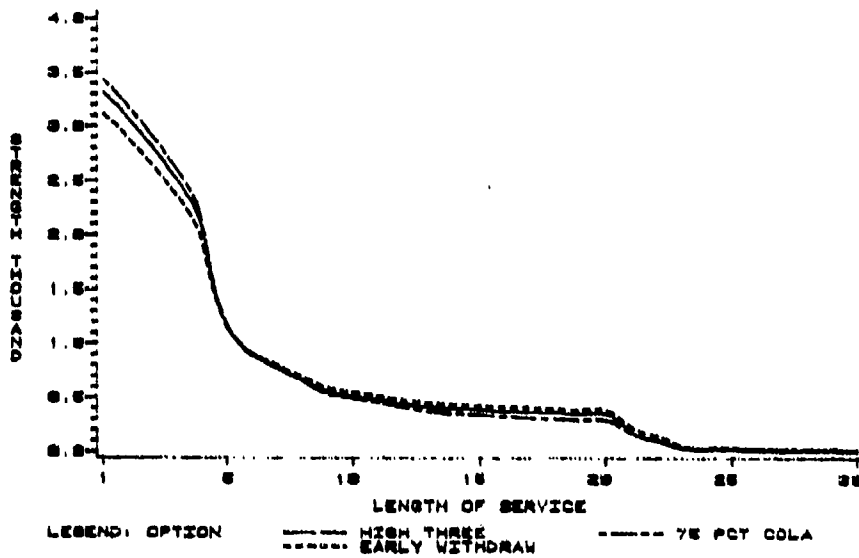


Figure N-III.D.4 (Cont)

FORCE STRUCTURE

USAF ENLISTED
OCCUPATION: MEDICAL



SURVIVAL RATES

USAF ENLISTED
OCCUPATION: MEDICAL

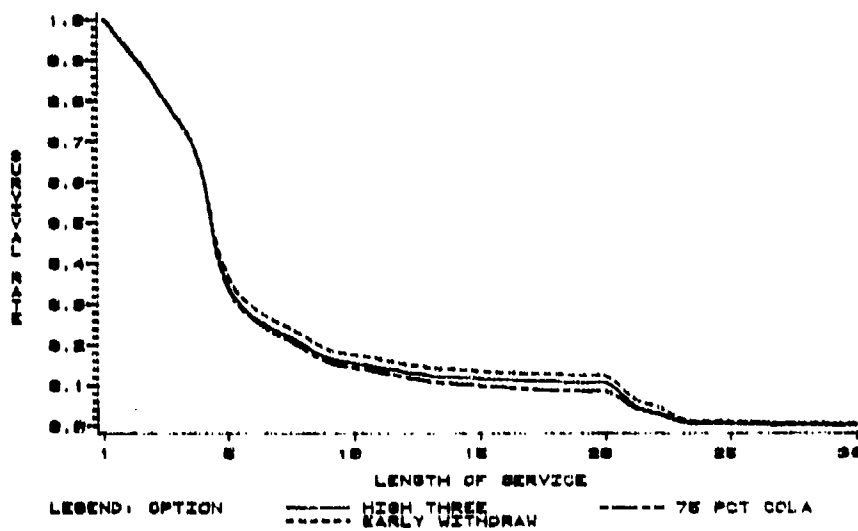
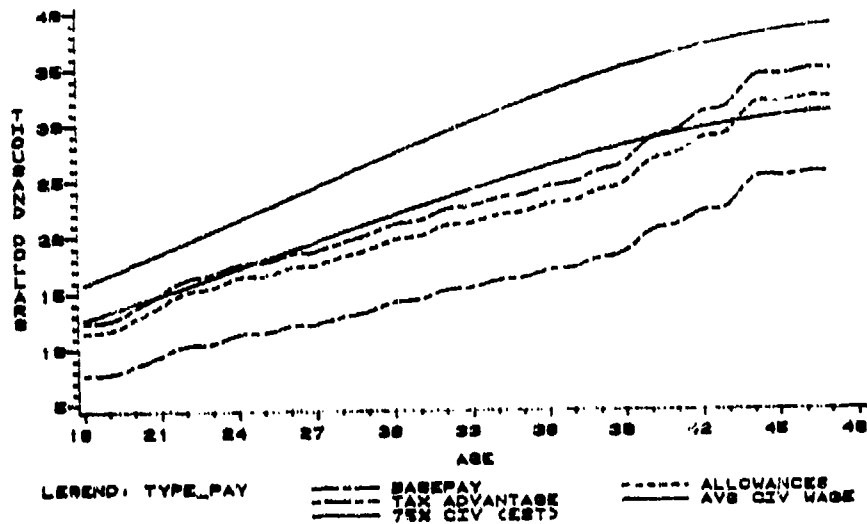


Figure N-III.D.3
USAF Other Technical and Allied Specialists

MILITARY PAYS VS CIVILIAN WAGES

USAF ENLISTED
OCCUPATION: TECHSPEC



ANNUALIZED COST OF LEAVING

USAF ENLISTED
OCCUPATION: TECHSPEC

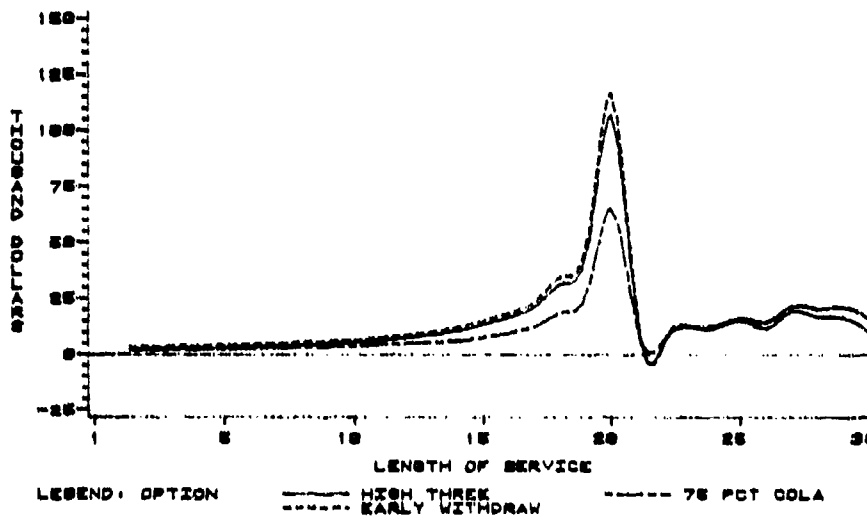
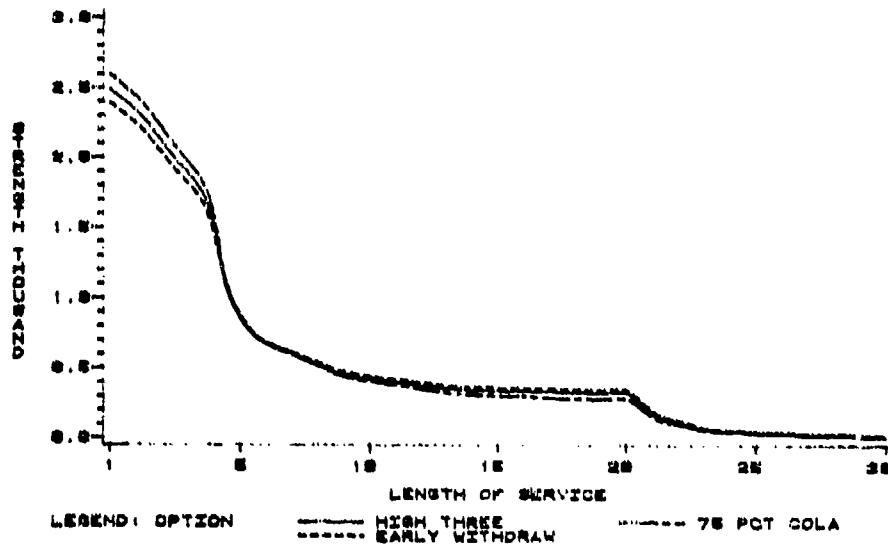


Figure N-III.D.5 (Cont)

FORCE STRUCTURE

USAF ENLISTED
OCCUPATION: TECHSPEC



SURVIVAL RATES

USAF ENLISTED
OCCUPATION: TECHSPEC

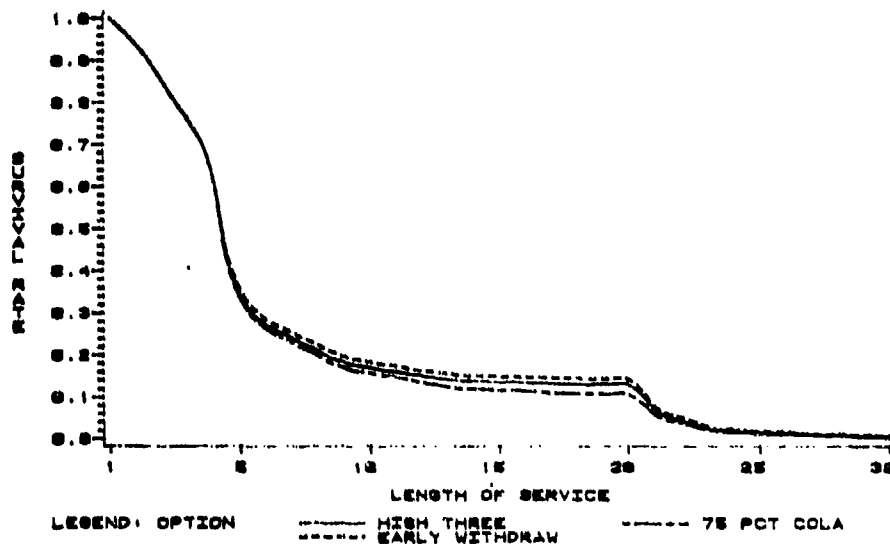
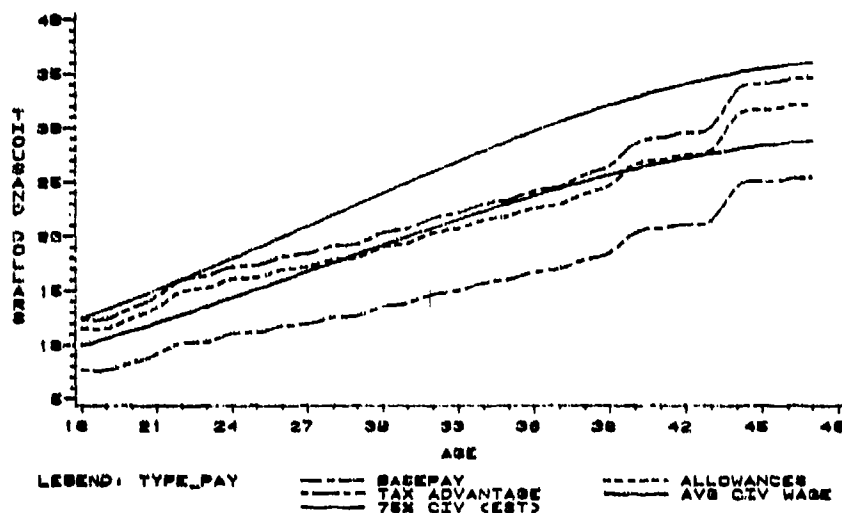


Figure N-III.D.6
USAF Functional Support and Administration

MILITARY PAYS VS CIVILIAN WAGES

USAF ENLISTED
OCCUPATION: ADMIN



ANNUALIZED COST OF LEAVING

USAF ENLISTED
OCCUPATION: ADMIN

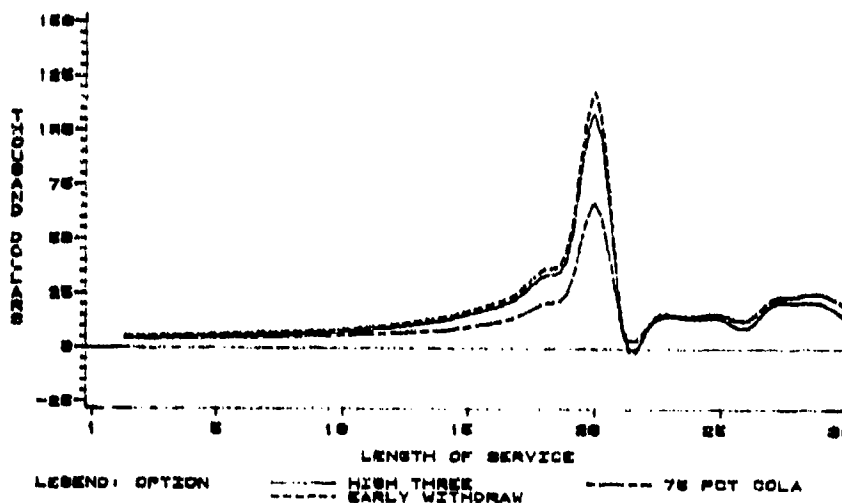
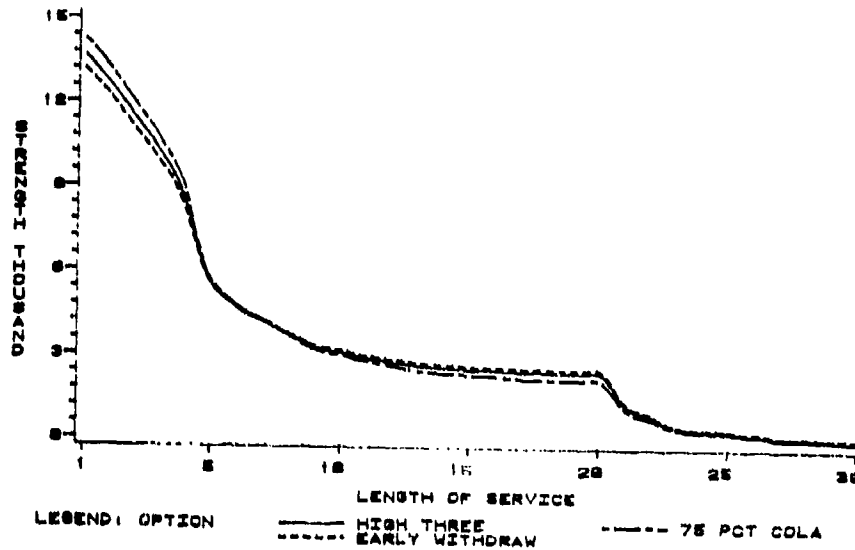


Figure N-III.D.6 (Cont)

FORCE STRUCTURE

USAF ENLISTED
OCCUPATION: ADMIN



SURVIVAL RATES

USAF ENLISTED
OCCUPATION: ADMIN

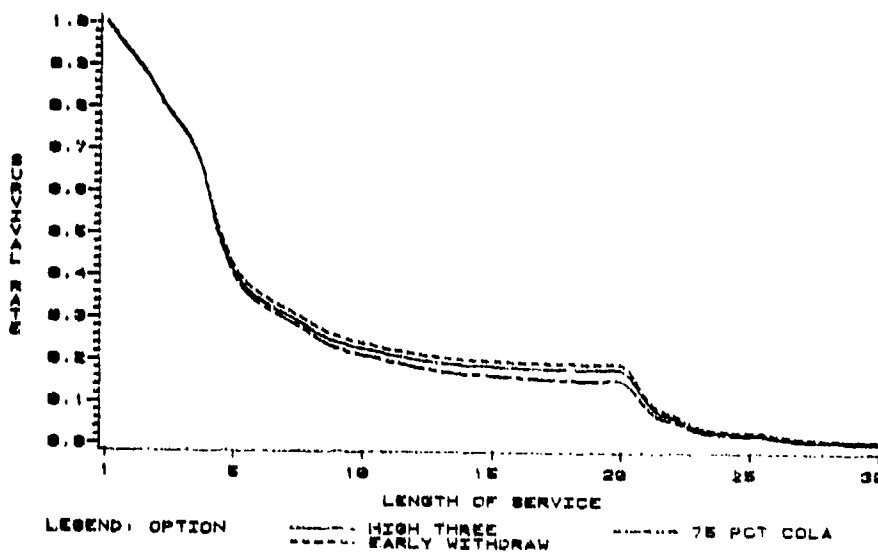
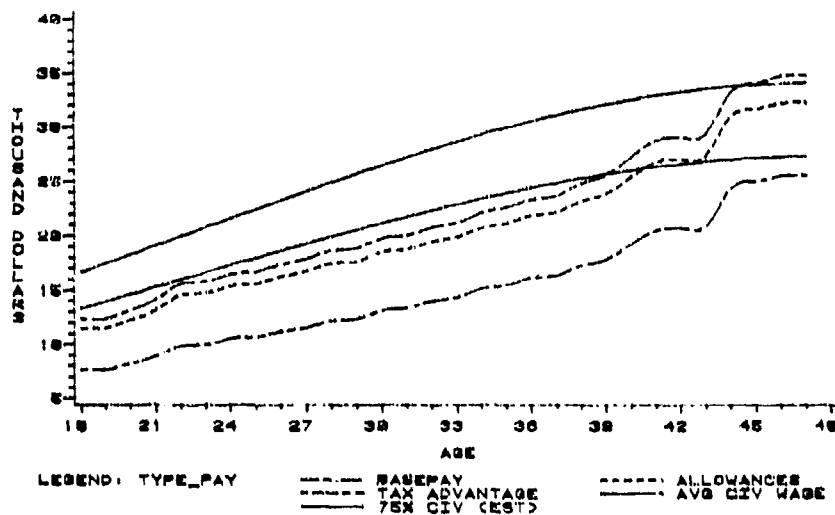


Figure N-III.D.7
USAF Electrical/Mechanical Equipment Repairmen

MILITARY PAYS VS CIVILIAN WAGES

USAF ENLISTED
OCCUPATION: ELECMECH



ANNUALIZED COST OF LEAVING

USAF ENLISTED
OCCUPATION: ELECMECH

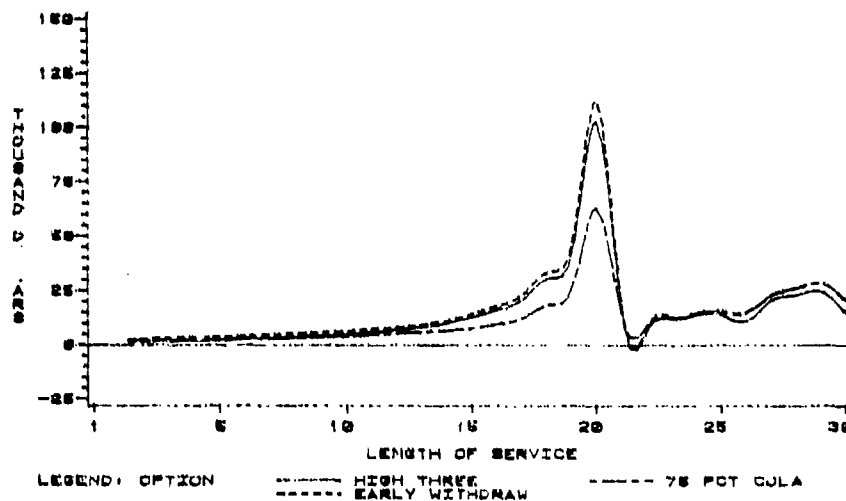
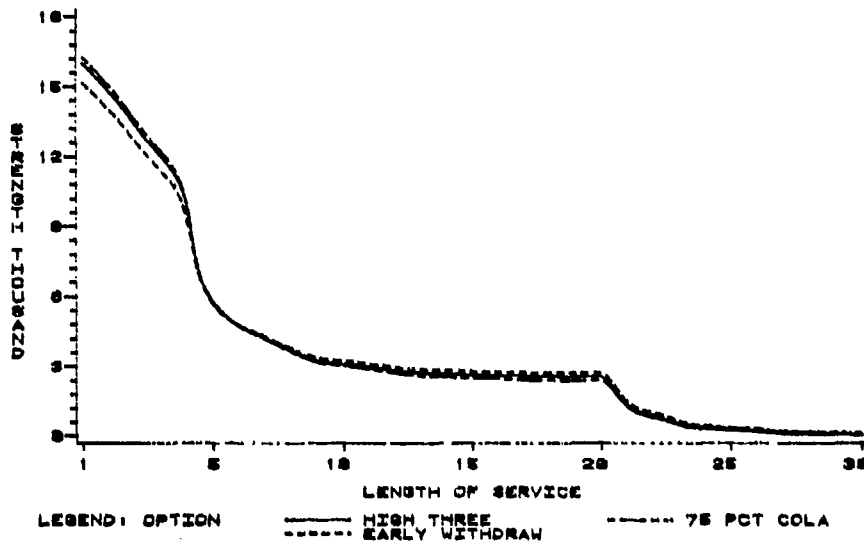


Figure N-III.D.7 (Cont)

FORCE STRUCTURE

USAF ENLISTED
OCCUPATION: ELECMECH



SURVIVAL RATES

USAF ENLISTED
OCCUPATION: ELECMECH

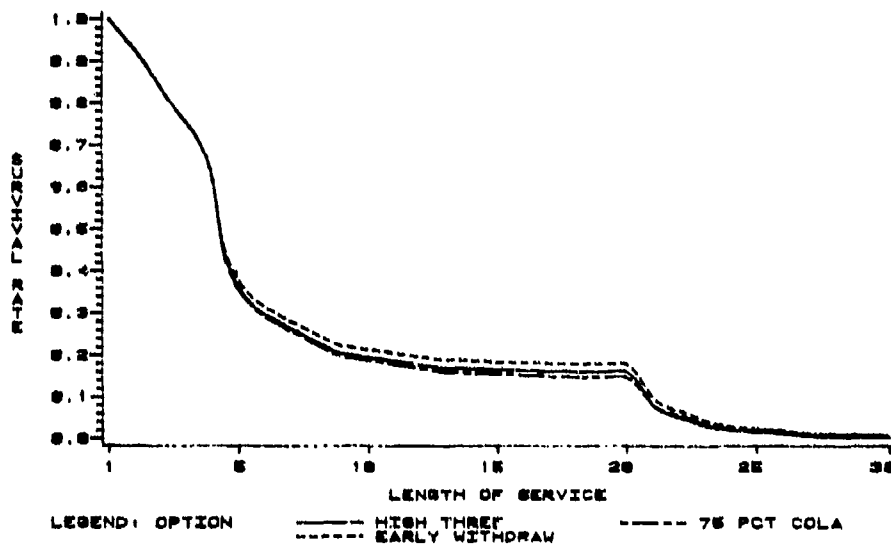
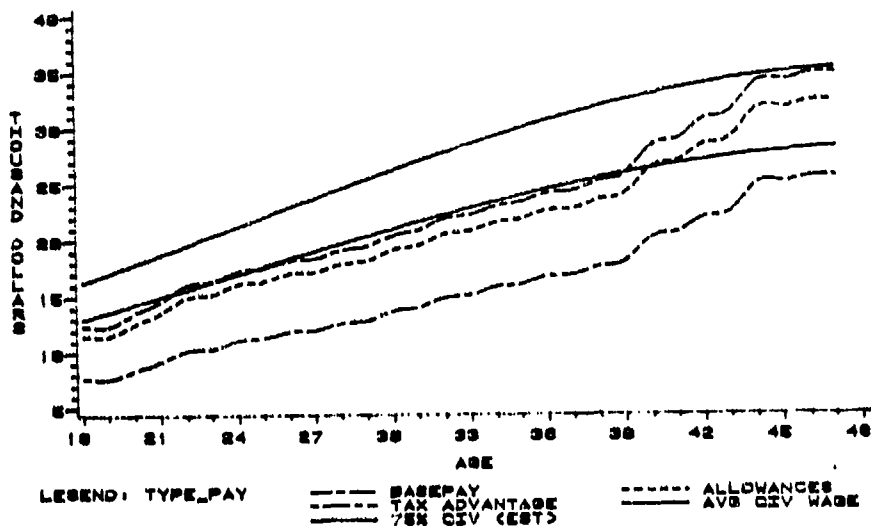


Figure N-III.D.8
USAF Craftsmen

MILITARY PAYS VS CIVILIAN WAGES

USAF ENLISTED
OCCUPATION: CRAFTSMEN



ANNUALIZED COST OF LEAVING

USAF ENLISTED
OCCUPATION: CRAFTSMEN

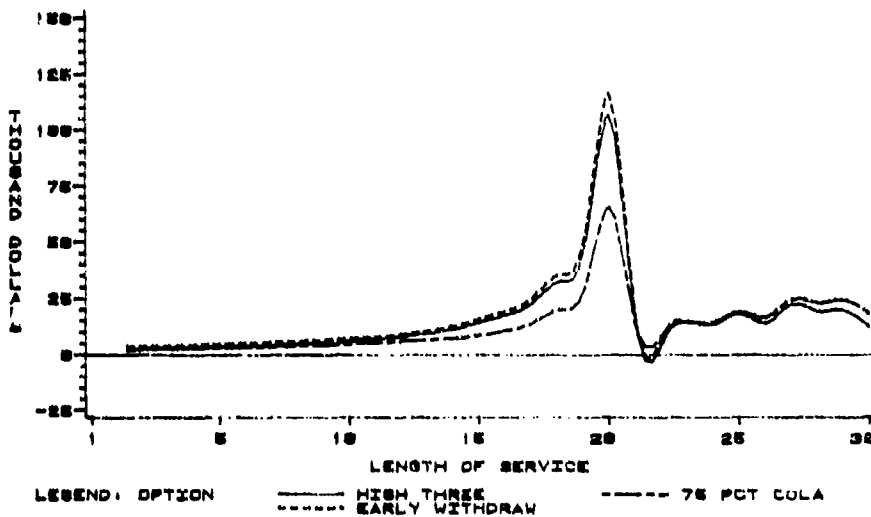
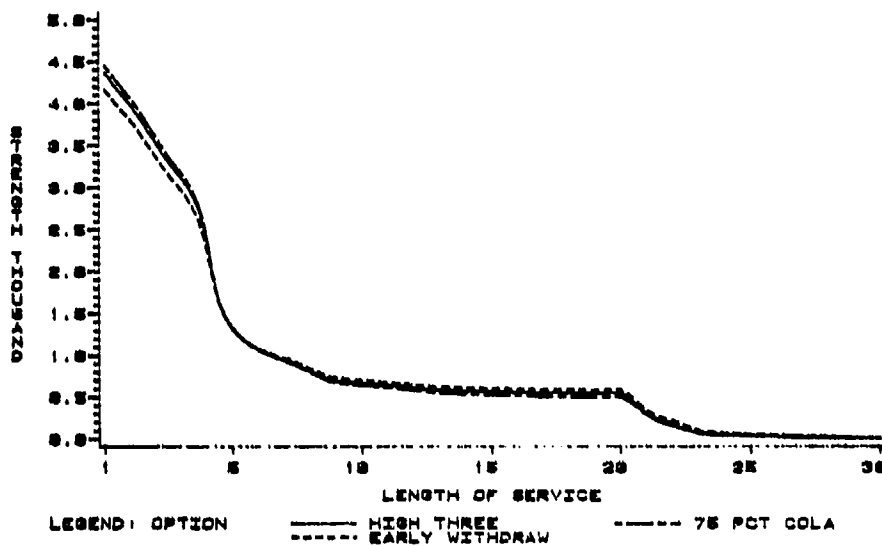


Figure N-III.D.8 (Cont)

FORCE STRUCTURE

USAF ENLISTED
OCCUPATION: CRAFTMEN



SURVIVAL RATES

USAF ENLISTED
OCCUPATION: CRAFTMEN

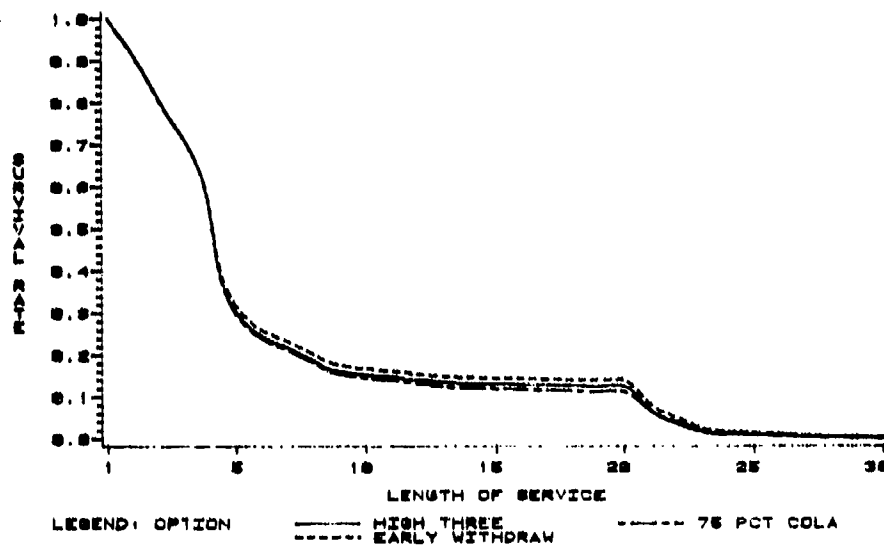
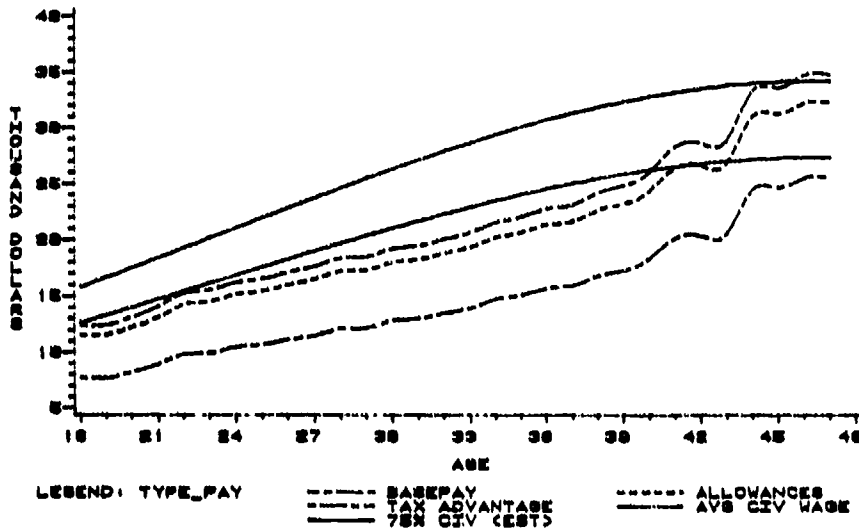


Figure N-III.D.9
USAF Service and Supply Handlers

MILITARY PAYS VS CIVILIAN WAGES

USAF ENLISTED
OCCUPATION: SUPPLY



ANNUALIZED COST OF LEAVING

USAF ENLISTED
OCCUPATION: SUPPLY

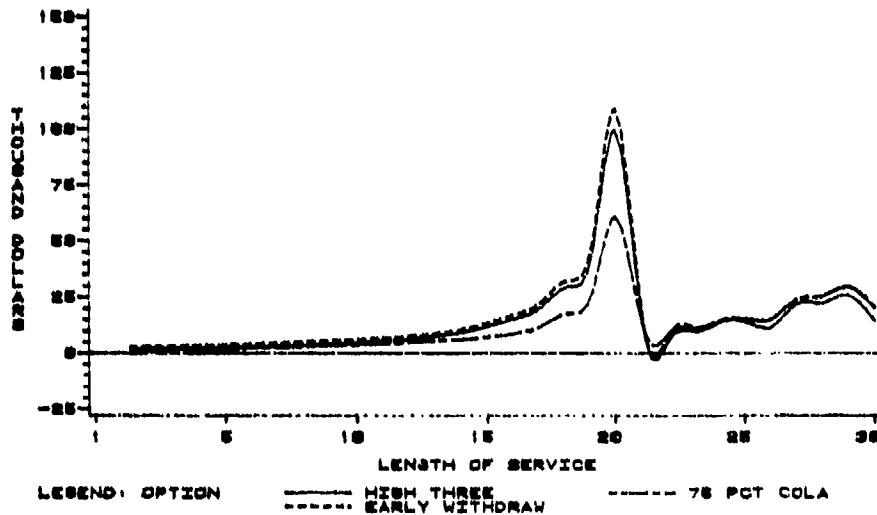
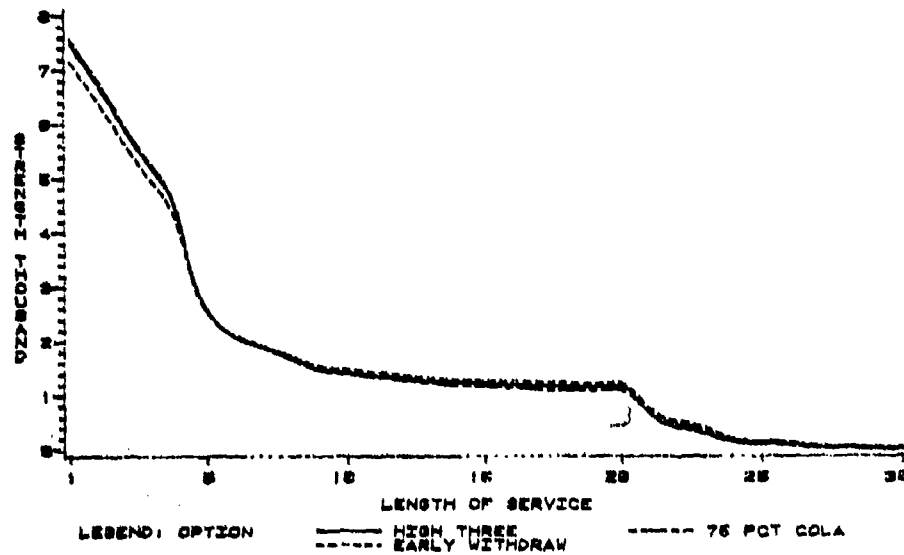


Figure N-III.D.9 (Cont)

FORCE STRUCTURE

USAF ENLISTED
OCCUPATION: SUPPLY



SURVIVAL RATES

USAF ENLISTED
OCCUPATION: SUPPLY

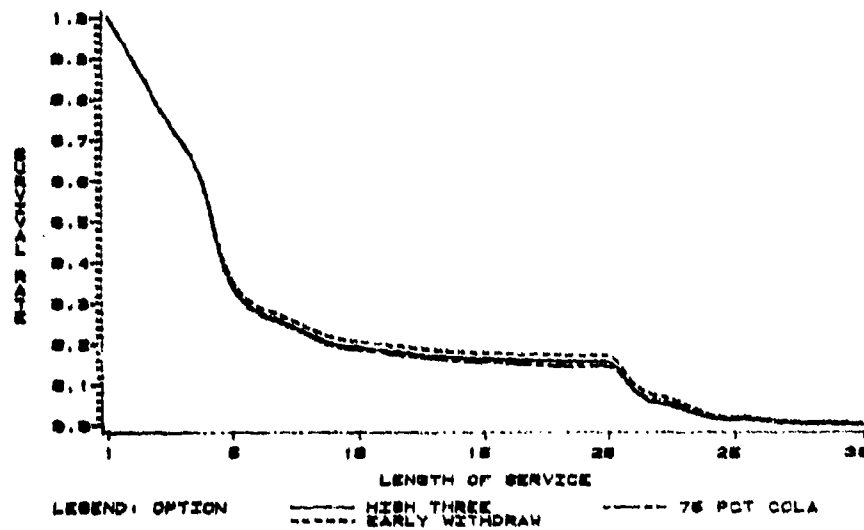
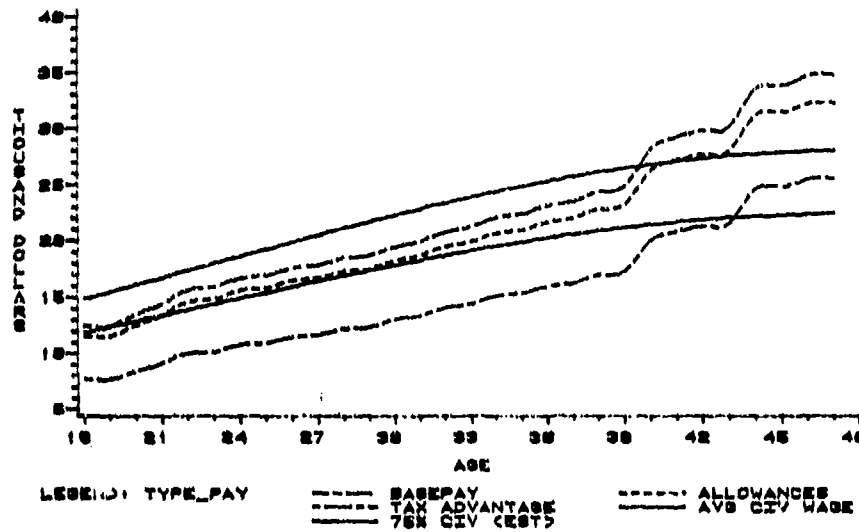


Figure N-III.D.10
USAF Non-Occupational Students

MILITARY PAYS VS CIVILIAN WAGES

USAF ENLISTED
OCCUPATION: STUDENTS



ANNUALIZED COST OF LEAVING

USAF ENLISTED
OCCUPATION: STUDENTS

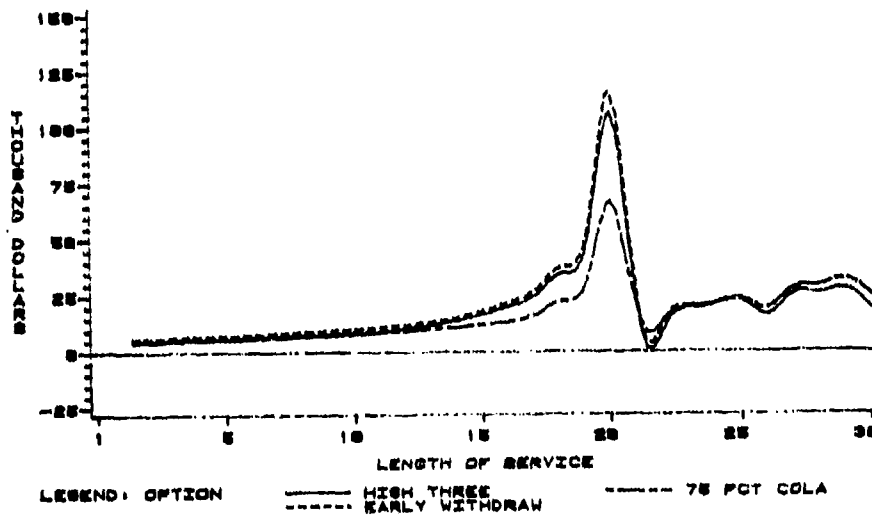
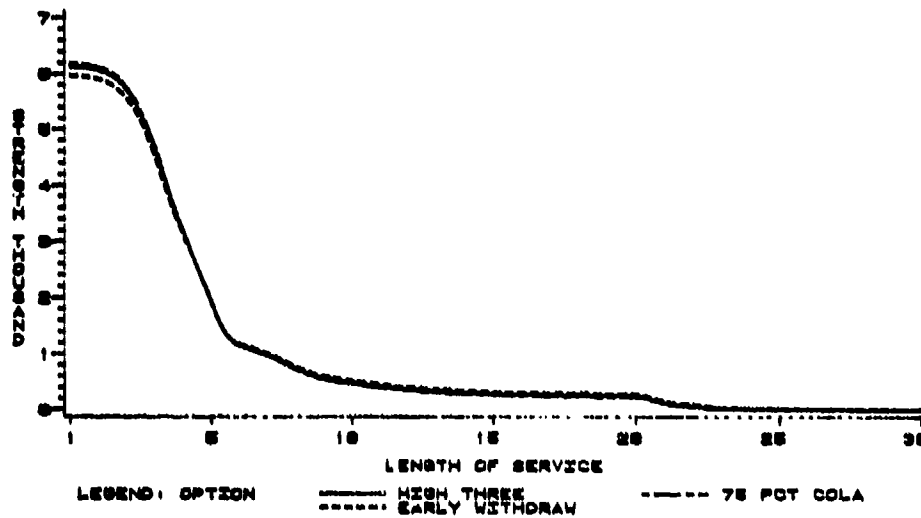


Figure N-III.D.10 (Cont)

FORCE STRUCTURE

USAF ENLISTED
OCCUPATION: STUDENTS



SURVIVAL RATES

USAF ENLISTED
OCCUPATION: STUDENTS

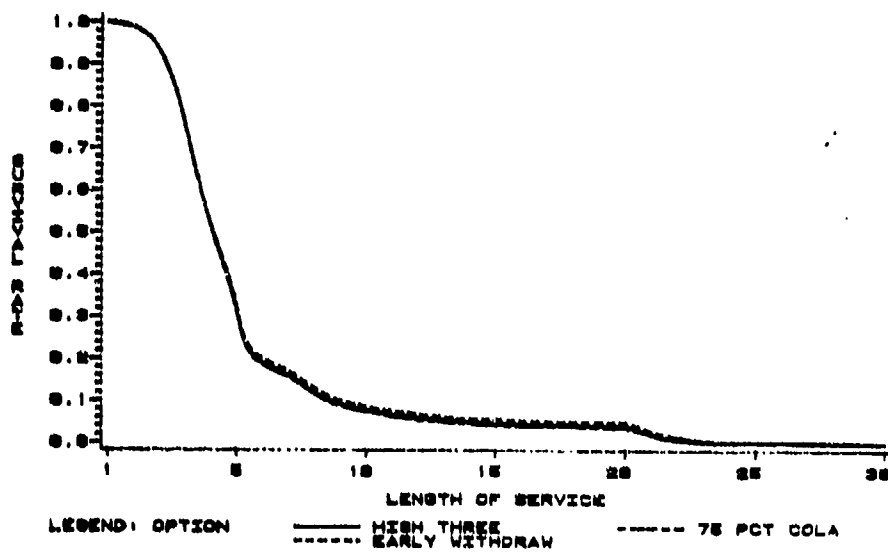
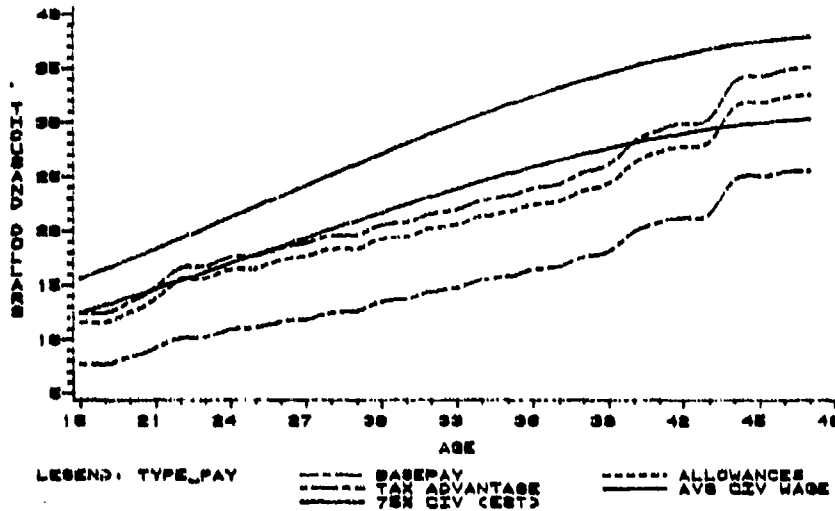


Figure N-III.D.11
USAF Total Enlisted

MILITARY PAYS VS CIVILIAN WAGES

USAF ENLISTED
OCCUPATION: TOTAL



ANNUALIZED COST OF LEAVING

USAF ENLISTED
OCCUPATION: TOTAL

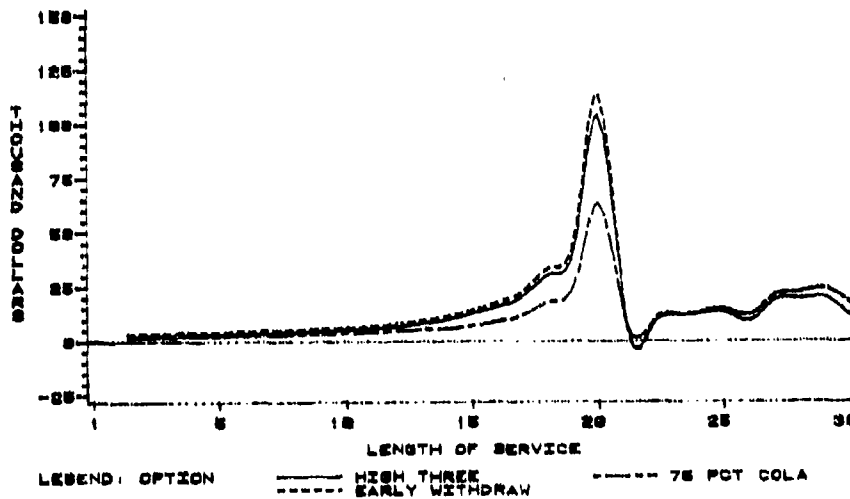
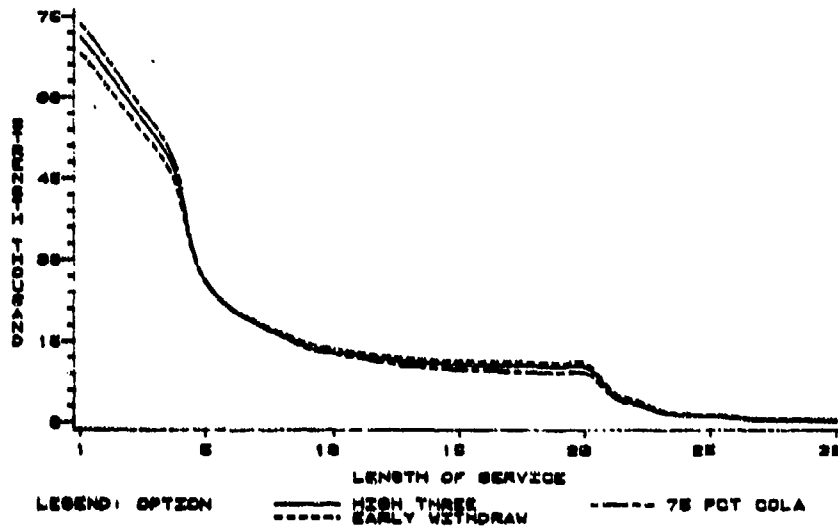


Figure N-III.D.11 (Cont)

FORCE STRUCTURE

USAF ENLISTED
OCCUPATION: TOTAL



SURVIVAL RATES

USAF ENLISTED
OCCUPATION: TOTAL

